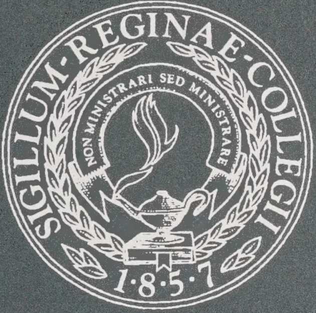
College of Arts and Sciences



1996-97 Catalog

QUEENS COLLEGE

DIRECTIONS TO QUEENS COLLEGE

From I-85 and the Airport

Take Billy Graham Parkway exit, South. At the intersection of the Parkway and S. Tryon the name of the Parkway changes to Woodlawn Road. Continue on Woodlawn Road to Selwyn Avenue. There is a Queens College sign just before Selwyn. Turn left on Selwyn Avenue to Queens College. Turn left into the horseshoe driveway.

From I-77

Take Woodlawn/Queens College exit, South. Continue on Woodlawn to Selwyn Avenue. There is a Queens College sign just before Selwyn. Turn left on Selwyn Avenue to Queens College. Turn left into the horseshoe driveway.

QUEENS COLLEGE

COLLEGE OF ARTS AND SCIENCES

1996-97 Catalog

July 1996

Volume 74
Number 1

Queens College adheres to the principle that all persons shall have equal opportunity and access to its educational facilities, activities and employment. It does not discriminate on the basis of race, sex, creed, age, ethnic or national origin or handicap in the administration of its educational policies, admissions policies, scholarship or loan programs, and athletic and other college-administered programs.

ACADEMIC CALENDAR 1996-97

FALL TERM

Friday, August 23	New students arrive
Saturday, August 24	Orientation for new students
Monday, August 26	Registration, new students
Monday, August 26	Upperclassmen return
Tuesday, August 27	Registration, returning students
Wednesday, August 28	Classes begin
Wednesday, September 4	Last day to drop/add
Tuesday, September 10	Fall convocation
Tuesday, October 15	Midterm 'D/F' notices sent
Friday, October 18	Fall break
Tuesday, October 22	Last day to withdraw
October 28-November 8	Academic advising
November 11-15	Registration for spring term
Friday, November 22	Thanksgiving break begins, 5 p.m.
Monday, December 2	Classes resume
Tuesday, December 10	Classes end
Wednesday, December 11	Reading day
December 12-18	Final exams

SPRING TERM

Friday, January 3	Registration, new students
Monday, January 6	Classes begin
Monday, January 13	Last day to drop/add
Tuesday, January 21	Spring convocation
Tuesday, February 25	Midterm 'D/F' notices sent
Tuesday, March 4	Last day to withdraw
Friday, March 7	Spring recess begins, 5 p.m.
Monday, March 17	Classes resume
March 24-April 4	Academic advising
Friday, March 28	Easter holiday
April 7-April 10	Registration for summer and fall terms
Tuesday, April 15	Awards convocation
Monday, April 21	Classes end
Tuesday, April 22	Reading day
April 23-29	Final exams
Friday, May 2	Baccalaureate, 4 p.m.
Saturday, May 3	Commencement, 10 a.m.

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This *Catalog* was correct at the time of printing.
The College reserves the right to make changes in its educational programs as necessary.

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INTRODUCTION TO QUEENS COLLEGE

Located in a pleasant and historic residential area of Charlotte, North Carolina, Queens College is a private college with close ties to the Presbyterian Church.

Since its founding 139 years ago, Queens has evolved into a diversified institution of higher education serving a variety of learners. Some 1,500 degree-seeking men and women of all ages are enrolled in Queens' four colleges:

◆ the *College of Arts and Sciences*, a co-educational, undergraduate program that emphasizes the traditional liberal arts;

◆ the *Pauline Lewis Hayworth College*, for working men and women who want to earn undergraduate degrees through evening or Saturday classes;

◆ the *Graduate Programs*, leading to the master's degree in business or education.

◆ The *Hugh L. McColl Jr. School of Business,* which encompasses programs in accounting, business administration and computer information systems in each of the three units of the college.

In addition, *Queens Continuing Education* provides lifelong learning opportunities through a non-degree program which offers a wide variety of personal and professional enrichment courses for the Charlotte community.

Queens College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the following degrees:

- Bachelor of Arts
- Bachelor of Music
- Bachelor of Science
- Bachelor of Science in Nursing
- Executive Master of Business Administration
- Master of Arts in Teaching
- Master of Business Administration
- Master of Education

The National Association of Schools of Music and the National Association of Music Therapy have accredited the college's programs in music. The National Council for Accreditation of Teacher

Education (NCATE) and the North Carolina Department of Public Instruction have fully accredited the education program. The nursing program is accredited by the National League for Nursing and is approved by the North Carolina State Board of Nursing. Queens is also approved for veterans' education.

The business programs in the McColl School of Business are nationally accredited by the Association of Collegiate Business Schools and Programs. Queens also is a member of the Conference of Southern Graduate Schools.

The College operates under the semester system. The academic year includes two 14-week semesters and a summer term. Classes in the College of Arts and Sciences meet Monday through Friday.

This *Catalog* describes the programs of the College of Arts and Sciences. A separate catalog describes Hayworth College and Graduate Programs.

STATEMENT OF PURPOSE

Queens College, private and Presbyterian, is a diversified, co-educational, liberal arts college. The College is a community of learners which engages students in the concepts of a liberal education and its methods of inquiry, fosters an appreciation for intellectual discipline, prepares students as responsible and productive citizens and challenges them to a life of intellectual curiosity and moral vision.

To achieve this purpose in the College of Arts and Sciences, Queens integrates the human experience through an interdisciplinary approach to learning which emphasizes knowledge, creativity, and critical thinking, and seeks, within the context of the Judeo-Christian heritage, a coherence among liberal learning, cultural awareness, international understanding, career preparation and ethical sensitivity. To achieve this purpose in the Hayworth College, Graduate Programs and other programs serving the adult population, Queens provides intellectual, cultural and ethical learning experiences within formats commensurate with the special needs and aspirations of the adult learner.

THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences provides a variety of majors and degree programs to students in an environment that is both challenging and supportive. Its deliberate small size enables

Queens to accentuate concern for the individual and to provide the personal and intellectual interaction, caring, fun and fellowship that are possible only in such a setting.

Of all the elements that combine to make Queens College distinctive, three in particular deserve special mention:

◆ Queens' nationally recognized **Foundations of Liberal Learning Program** introduces students to the important questions in life. It is specifically designed to help students develop the skills of analytical thinking and reasoning. To emphasize the interconnectedness of all knowledge, the Liberal Learning program takes an interdisciplinary approach and utilizes team-teaching techniques.

◆ **The International Experience Program** guarantees every eligible full-time student an opportunity for travel and study abroad. Most of the expense associated with this program is included in Queens' regular tuition and fees. The study tours, led by Queens faculty members, include orientation classes to prepare students for experiencing another culture. Study tours usually take place in May.

◆ **The Internship Program** significantly benefits students as they prepare to be productive citizens. Queens College is a leader of liberal arts colleges offering practical experience through internships. Beginning with the class of 2000, which enters as freshmen in the fall of 1996, six hours of internship credit will be required as a degree requirement for the bachelor's degree. All other Queens students are strongly encouraged to enroll in internship credit courses ranging from 1-12 credit hours. The College emphasizes internships in its curriculum because of their unique ability to provide opportunities to realistically explore the world of work, integrate classroom knowledge, gain marketable skills, and develop professional networks for entry into graduate school or employment.

Internships are coordinated by the Director of Internships and supervised by a faculty internship instructor and an employer supervisor. Student interns are required to complete specific learning tasks on the job as well as career development assignments such as a performance review, information interviewing, attending professional development seminars, as well as writing resumes, cover letters and memos. Internships enhance a student's qualifications for graduate school and employment.

Many other special opportunities exist for Queens students:

Charlotte Area Educational Consortium. Queens College is one of 13 member institutions of the Charlotte Area Educational Consortium. Other members are Barber-Scotia College, Belmont

Abbey College, Central Piedmont Community College, Davidson College, Gaston College, Johnson C. Smith University, Pfeiffer College-Charlotte, Stanly Community College, the University of North Carolina at Charlotte, Wingate University, Winthrop University and York Technical College. Regularly enrolled students at consortium institutions may register for any course at another institution in the group on a space-available basis without additional charge.

Consortium-sponsored conferences and programs are offered periodically for faculty and students at all member institutions.

Government Internship Program. Queens students may choose to participate in a government internship program providing an understanding of practical politics as well as an introduction to government employment. The Queens program is based upon cooperation with existing programs with local, state or federal government institutions. Some of the internship opportunities involve stipends that may be used to defray the costs of the internship to the students.

The Washington Center. Queens students may apply for Washington internships through the Washington Center. These internships give students opportunities to explore a variety of public-oriented careers and professions. Within the framework of liberal arts studies, they enable students to combine a work and learning experience for academic credit.

Washington Semester at American University. Through a cooperative arrangement with American University, two Queens students annually may spend one term in Washington, D.C. studying American government. The study is carried out through a seminar of the student's own choosing, an individual research project and regular courses at American University. Applicants must have completed Political Science 201 and have a grade-point average of 2.60 or higher. An additional tuition supplement may be required. Application should be made through the Department of Political Science. For further information, contact the Office of Academic Affairs.

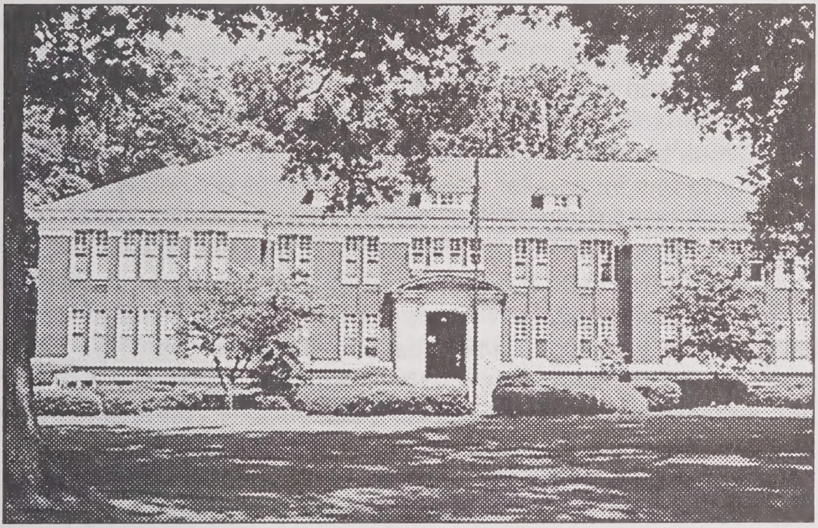
The Learning Society of Queens College. Through the Learning Society, students have the opportunity to meet and hear some of the world's major thinkers and leaders. Recent speakers have included Ross Perot, astronomer Carl Sagan, former U.N. Ambassador Jeane Kirkpatrick, former Secretary of State Dr. Henry Kissinger, ABC News veteran David Brinkley, columnists David Broder, George Will, William Raspberry and William F. Buckley Jr., correspondent Cokie Roberts, former senators Paul Tsongas and Warren Rudman and political advisors James Carville and Mary Matalin. Students are involved in arranging Learning Society events.

THE CAMPUS

Queens College is located on a wooded campus in the Myers Park area of Charlotte. Its Georgian buildings, many of them constructed in 1914 when the College was moved to this site, have been extensively remodeled. The architectural motif of red brick with white trim has been incorporated in the more modern buildings.

Principal buildings include the following:

Burwell Hall (1914), the focal point of the campus, faces Selwyn Avenue. In addition to housing administrative offices, the building has parlors which provide a spacious reception area for guests and social events. Robert Burwell served as president of the Charlotte Female Institute from 1857 to 1872 and his wife, Margaret Anna Burwell, was a teacher and principal.



Burwell Hall

Belk Chapel (1950) was a gift to Queens by the families and associates of William Henry Belk and Dr. John M. Belk, in their honor. Greek revival in architecture, it is equipped with a 39-rank organ and seats 750. It is used for chapel and for other religious services and meetings. The Belk families have been loyal and generous supporters of the College.

Trexler College Center (1993) honors long-time Queens trustee Charles B. Trexler and his children. Designed to be the "living room" of the college, the Trexler Center is located at the geographic center of the campus. It offers a living room, snack bar, game room, meeting room and a private dining facility — the Claudia Belk Dining Room. A stairway connects the Trexler Center with the post office and bookstore in the basement of Morrison Hall.

Morrison Hall (1927) includes a large dining hall that was redecorated in 1988, a kitchen, the college post office, the college bookstore, ceramics and sculpture studios, and auxiliary rooms. The building is named for its donor, Mrs. Cameron Morrison, wife of a distinguished governor of North Carolina.

E.H. Little Fine Arts Center (1966) contains the Charles A. Dana Auditorium, which seats 1,000 for concerts, recitals, plays and lectures. The center also contains the Suzanne Trezevant Little Recital Hall, an exhibition gallery, studios, practice rooms, classrooms for music and drama, and music offices that include a library of music, miniature scores and recordings. Major donors of this facility were prominent philanthropists E.H. Little and Charles A. Dana.

Jernigan Building (1914) houses the Business Office, the student bank and the Office of Student Development. Dr. Charlton Coney Jernigan was president of Queens from 1951-53.

Dana Classroom Building (1961) honors Charles A. Dana, a generous benefactor of Queens College. It contains classrooms, seminar rooms for smaller classes, a language laboratory, a large lecture hall and faculty offices. Home of the McColl School of Business, Dana Building also houses the offices of Hayworth College, the Graduate Programs and Executive Programs.

McEwen Hall (1914) was renovated in 1989 to provide a classroom complex for the Foundations of Liberal Learning Program. The building, named for the late Dr. Mildred Morse McEwen, alumna and professor emeritus of chemistry, also includes other classrooms and a number of faculty offices.

Ovens Athletic Center (1954) includes a large gymnasium, classrooms, a dance studio, a weight room and a swimming pool. Extensive renovation and remodeling took place in 1989 with the expansion of Queens' athletic programs. David Ovens, business executive and merchant, was a Queens trustee and benefactor.

Walker Science Building (1966) contains laboratories, classrooms, faculty offices and research facilities for biology, chemistry, physics and mathematics. It also houses Queens' Computing Services Center. The building was named for Dr. Edwin R. Walker, a former president of the College.

Watkins Hall (1914) houses the art department and exhibition galleries. It is named for Miss Mildred C. Watkins, member of the faculty from 1895-1909.

Irwin-McKay Student Health Center (1958) provides seven hospital beds and rooms for consultations and treatment. It was a gift of Thomas M. Belk and his wife, Katherine McKay Belk, honoring Dr. John R. Irwin, Dr. Henderson Irwin and Dr. Hamilton W. McKay.

Albright Residence Hall (1964) is named in honor of Miss Thelma Albright, former dean of students and a long-time faculty member at Queens.

The William H. Barnhardt Center (1965), a dormitory facility, honors Mr. and Mrs. William H. Barnhardt. A prominent and devoted supporter of the college, Mr. Barnhardt was a member of the Board of Trustees.

Belk Residence Hall (1954) honors the late Mrs. William Henry Belk, alumna, trustee and benefactor. The hall was a gift to Queens from Mrs. Belk's sons and daughter.

Harris Residence Hall (1954) honors the late James J. Harris, chairman of the Board of Trustees, and his late wife, Angelia Morrison Harris, both loyal and devoted supporters of the College.

Long Residence Hall (1914) is named for Miss Lily W. Long, who served the College for half a century and was president from 1891-1899.

Wallace Residence Hall (1962) honors Mr. and Mrs. J. M. Wallace and family. Mrs. Wallace was an alumna, and J. Mason Wallace Jr. was a college trustee.

Other buildings immediately adjacent to the campus include Harris House and Withers House, the home of Queens' Continuing Education.

Other buildings on the campus are named for Dr. Elizabeth H. Blair, former dean of instruction; Mr. and Mrs. W. Z. Stultz, donors; and Miss Laura A. Tillett, professor emeritus of English. These buildings are used for administrative and instructional purposes.

The buildings on the Queens campus are of traditional architectural design, having been constructed before the adoption of contemporary building access standards. Accommodations for persons with disabilities are added as buildings are remodeled.

Special Access. All or part of Albright Residence Hall, Dana Classroom Building, Everett Library, Irwin-McKay Student Health Center, McEwen Building, Morrison Dining Hall, Tillett Building, Wallace Residence Hall and Watkins Hall are accessible to persons with disabilities.

Further information regarding facility campus access may be obtained from the dean of student development.

The College Library. Everett Library is located at the center of the campus and was built through the generosity of Herschel Hill Everett, chairman of the Board of Trustees from 1952-67, and his wife, Cornelia Nisbett Everett.

The library collection — the core of the academic community — is designed to support all programs of the College. More than 117,000 volumes and 25,000 U.S. government documents are available in open stacks for student use.

In addition, the library currently subscribes to over 600 periodicals and retains the *New York Times* on microfilm from 1910 to the present and the *Wall Street Journal* from 1987 to the present.

The collection, which grows at a rate of 2,000 volumes a year, receives additional support from endowments established by the Friends of the Library.

The library's catalog is online and will be available on the campus network by the spring of 1997. The library provides access to the Internet and the World Wide Web, and offers instruction in the use of these resources.

The Margaret Louise Chapman Instructional Media Center is located on the lower level of the library. Donated by the Friends of the Library in 1982, it is a full-service media center with equipment and facilities for the production and use of audio, video, film and photographic software. Production, listening and viewing rooms are available, as well as Macintosh computers.

Also on the lower level is the Curriculum Resource Center, which houses the education department's collection of state-adopted textbooks and other materials for classroom use.

During the two main academic sessions, the library is open from 8 a.m. to 1 a.m. Monday through Thursday, from 8 a.m. to 6 p.m. on Friday, from 10 a.m. to 6 p.m. on Saturday and from 2 p.m. to 1 a.m. on Sunday. The schedule for examination weeks is extended and the schedules for semester breaks and summer sessions are reduced.

Students have free access to the stacks and may receive instruction in the use of the library at any time. The library encourages use by Queens students, faculty, staff, alumni, Friends of the Library, ministers of the supporting presbyteries, and other individuals with special permission.

Everett Library has been enriched by its Friends of the Library organization. Founded in 1971, this community group hosts annual book-and-author events; contributes significantly to the interior decor of the building; funds the Browsing Collection; and has established a Special Collections Room in memory of Rena C. Harrell, Queens' first librarian. This special room houses a collection of Charlotte imprints, books on the history of Mecklenburg County and materials relating to the history of Queens College. Thanks to an anonymous gift received in April 1994, the library has the SIRSI automated Catalog system.

Computing Services Computing services for both academic and administrative users are coordinated by the staff of the Computing Services Center, which is located in the basement of Walker

Science Building. The Computing Services Center houses an IBM AS/400 central processor, a Compaq Pentium file server running Novell 4.1 network management software and a control center for the college's integrated administrative software system and high capacity fiber optic network. This center and network provide distributed computing capabilities to all administrative offices of the college, support for the college's admissions telecounseling center and network support for the library's IBM RS6000 central processor and automated operations system. The Computing Services Center also houses the gateway for campus access to E-mail and the Internet.

Faculty members, administrators and staff also have access to individual personal computers with software appropriate to their needs, either resident on each PC's local hard drive or accessed through the campus network. Student access to computers on campus is provided through the facilities described below.

The **Dickson Microcomputer Lab** is located in the basement of the Walker Science Building, adjacent to the Computing Services Center. This lab has 20 IBM-compatible 386 or 486 level personal computers with color monitors. Software available in the center includes both DOS and Windows operating systems and related application software including SPSS, Microsoft Works, WordPerfect and the Microsoft Office suite of Word, Excel, Access and PowerPoint. Both dot matrix and deskjet printers are available. The lab is used to support academic courses and serves as a resource for faculty and students. The lab is staffed during primary usage times each day and is open on request 24 hours per day when classes are in session.

The **GE Computer Service PC Teaching Lab** is located on the third floor of the Dana Building. This lab is used exclusively for classroom teaching and is equipped with 20 386 or 486 PCs with color monitors and deskjet printers. Each PC is equipped to run the Windows operating system and has Microsoft's Works and Office Pro suite of application software available.

The **Science Computing Lab and Chemistry Computing Lab** are located in the Walker Science Building. The Science Lab is used by science and mathematics classes and is equipped with one Pentium and five 386 or 486 PCs running science and math application and modeling software. The Chemistry Lab has one 486 PC and three 386 PCs used for chemical modeling.

The **Writing Lab** is located in the McEwen Building. This lab has four 386 or 486 PCs equipped with word processing software and printers and is used to enhance student writing skills.

The **Psychology Lab** is located in the McEwen building.

This lab has a combination of Apple Macintosh and IBM compatible PCs, including a 486 PC with SPSS statistical analysis software.

The **Curriculum Resource Center and Media Center** are located in Everett Library. They have a combination of 386 or 486 and Apple Macintosh PCs with specialized education software, word processing software, printers and access to the Internet through the campus network.

Access to the campus network e-mail system is provided for students in an E-mail Lab located on the second floor of the Jernigan Building. Students may access Internet services including the WorldWide Web through PCs located in the Everett Library.

PCs are available for instructional use in certain classrooms and PCs and printers are also available for student use in each residence hall.

HISTORY

Queens was founded in 1857 as the Charlotte Female Institute, then located on College Street near the center of the city. For five years after 1891, it was called the Seminary for Girls; after affiliating with the Presbyterian Synod of North Carolina in 1896, it became known as the Presbyterian College for Women. In 1912, anticipating the move to its present campus in the Myers Park residential area in 1914, it became Queens College.

That name revived pre-Revolutionary traditions, for in 1771 a group of North Carolina colonists sought a royal charter for a Queens College, to be located in the town of Charlotte, which was named for the British Queen, Charlotte of Mecklenburg. George III refused the petition, doubting the wisdom of creating an institution to perpetuate non-conformist views favored by the Scotch-Irish Presbyterians who had settled in Piedmont Carolina. A school was chartered in 1773, however, under the unusual name of Queens Museum. During the Revolution, it sympathized with the colonial cause and became known as the Liberty Hall Academy.

The academy's post-Revolutionary history is sketchy, but in 1821 the Male and Female Academy Corporation was chartered to operate the Liberty Male Academy, the precursor of Davidson College, and the Charlotte Female Academy, the precursor of the Charlotte Female Institute.

In 1930, Queens became related to the Presbyterian Synod of South Carolina through a merger with Chicora College in Columbia, S.C. (formerly in Greenville). With the creation of the

Synod of the Southeast in 1973, Queens' official church relationship was extended to include Presbyterians in Georgia as well as those in the Carolinas. Subsequent restructuring of the Presbyterian Church has given Queens ties to both the South Atlantic and the Mid-Atlantic synods.

In the aftermath of World War II, Queens admitted its first male students in a non-residential status.

A co-educational Evening College, the forerunner of both the present Hayworth College and Continuing Education program, was created in 1948. Queens' first post-baccalaureate degree program, the master of business administration, was begun in the spring of 1980. It, too, admitted both women and men.

In 1987, Queens College became fully co-educational and adopted an ambitious and innovative plan for expanding and enhancing the curriculum. That plan produced the Foundations of Liberal Learning and the International Experience programs, which were put into place in 1989.

The Hugh L. McColl Jr. School of Business was established in 1993 to unify and strengthen the College's programs in accounting, business administration and computer information systems.

STUDENT LIFE AND SERVICES

STUDENT LIFE

Queens College realizes that, as important as academic activities are, much of a student's education occurs outside the classroom. Day-to-day living experiences and campus activities are valuable components of a well-rounded education. Through group participation and interaction, students come to know themselves as individuals, to realize their opportunities and to be creative members of the college community. To stimulate this process, the college encourages student initiative and responsibility through student government, the honor system and a variety of student organizations and activities.

The Honor Code. Queens College is firmly committed to principles of honor and prides itself on the spirit of trust that exists among all of its members. At the very heart of Queens College is the Honor Code. The Honor Code is based on the principle that a spirit of trust should pervade all aspects of student life. Its essence is that any violation of the Honor Code is an offense against the community.

The Honor Code at Queens College is the keystone of the college's belief that its students should act honorably and responsibly in all aspects of life, both on- and off-campus. The Honor Code incorporates the high principles of honor and integrity in both personal conduct and academic work. The purpose of the Honor Code is to assist in the development of mature women and men who act responsibly at all times and to promote a community based on the principles of responsible citizenship, mutual trust and respect. The Honor Code is binding on all members of the College community and applies to all phases of life at the College.

An effective Honor Code depends upon each student's adhering to the spirit and the letter of its principles. It demands accountability on the part of each student for his or her actions and for those of his or her peers. Queens students are responsible for their personal conduct at all times and shall be subject to discipline, including possible suspension, for behavior that discredits themselves or the college.

As a commitment to this system of honor, students are asked to sign the Honor Code as part of their application for admission. The Honor Code incorporates two different pledges of student conduct: the academic pledge and the community pledge. In addition, it embodies the individual's commitment to developing a community of honor, including taking action against those who violate the Code:

As a member of the Queens College community, I will endeavor to create a spirit of integrity and honor for its own sake at Queens College.

Academic Pledge: I pledge truthfulness and absolute honesty in the performance of all academic work.

Community Pledge: I pledge to be truthful at all times, to treat others with respect, to respect the property of others and to adhere to college policies.

Accepting both the privileges and responsibilities of living by this code of honor, I resolve to uphold this code and not to tolerate any violations of its spirit or principles.

Convocations. Queens College holds three major convocations during each academic year. These are important events that help develop a spirit of unity, fellowship and common purpose in the Queens community. Attendance at convocations is required of all full-time students in the College of Arts and Sciences.

Student Government Association. Queens students govern themselves through the Student Government Association (SGA), which is divided into four branches: the Senate, the College Union Board, the Judicial Branch and the Publications Board.

1. The Senate consists of student representatives from each class. It oversees the operation of all student organizations on campus, supervises the disbursement of student activity fees to each student organization and handles student concerns regarding campus matters and policies.

2. The College Union Board (CUB) is composed of committees which collectively plan programs to enhance the social, recreational, cultural, religious and educational experience at Queens. Several committees carry out the work of the CUB including the following:

- ◆ The Publicity Committee designs promotional material such as fliers and posters for upcoming events.
- ◆ The Cultural Events Committee organizes diverse and innovative programs for the campus along with striving to improve cultural awareness on campus.
- ◆ The Film Committee coordinates movie showings and film fests (both indoor and outdoor) for the campus. Movies include both current hits and film classics.

- The Lectures Committee plans educational and entertaining lectures for the Queens community.
- The Recreation Committee plans recreational activities including intramural games, trips to local museums and zoos, and Midnight on Ice.
- The Religious Life Committee promotes activities to help increase religious activity and awareness on campus. Events include retreats, Oxfam and Moravian Love Feast.
- The Social Committee sponsors concerts, comedians, lawn concerts, coffeehouses, and dance parties for the campus.
- The Special Events Committee plans two end-of-the-semester events each year: Casino Party in the fall and Spring Carnival in the spring.
- The Technical Committee oversees set-up and take-down of all events and operates sound and light equipment for performers.

3. The work of the Judicial Branch is carried out by three separate bodies. Alleged violations of the Academic Pledge of the Honor Code are heard by an Honor Council consisting of eight students and two faculty advisors. The Campus Judicial Board, composed of class representatives, elected student officers and two advisors, hears cases of alleged violations of the Community Pledge of the Honor Code. These two judicial boards conduct investigations and hearings, determine the verdict and impose sanctions when warranted. An Appeals Board automatically reviews all cases involving suspension or expulsion. Other cases may be appealed on one or more of the following conditions:

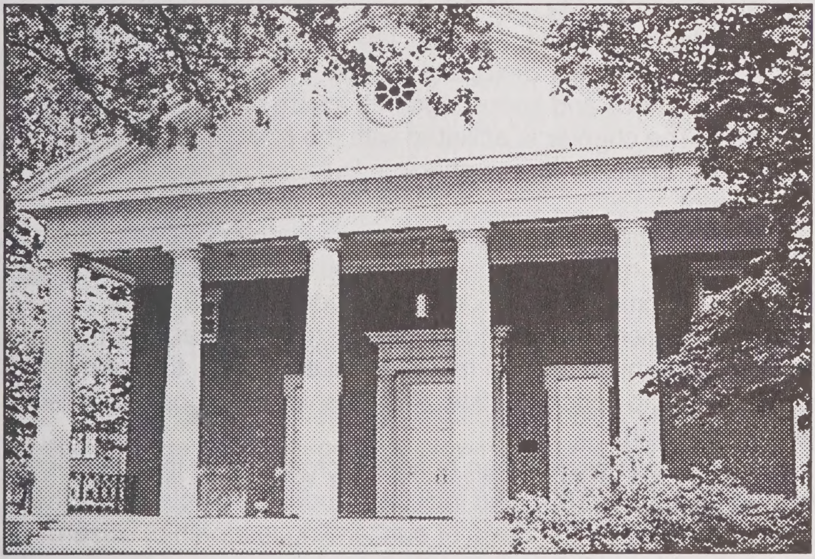
- The original hearing was not conducted according to established procedure.
- New evidence or facts exist which were not brought out in the original hearing.
- Sanction(s) imposed were excessive or inappropriate for the offense committed.
- There was evidence of discrimination based on age, race, sex, national origin, religion, sexual preference or the exercise of First Amendment rights.

4. The Publications Board is made up of the editors and faculty advisors of campus publications. It oversees the selection of editors, assists in the preparation of budgets and develops publication policy.

Student organizations. Student organizations provide Queens students with many opportunities to develop self-confidence, leadership skills and a sense of social responsibility. At the beginning of each semester, each organization is represented at Activities Day. Students are able to meet members of the group and find out more information. There are more than 30 active student groups, representing community service, political, social, scholarly and religious interests.

Publications. *Arete*, the Queens College yearbook, is published annually and provides a pictorial and literary record of the year's events and activities. *The Chronicle,* the student newspaper, is published regularly to keep the college informed of campus events and news and to serve as a forum for an exchange of ideas among students, faculty and administrators. *The Signet*, the college literary magazine, is published once a year, showcasing the creative writing and artistic talents of the Queens community.

Campus religious life. Queens College provides a climate conducive to the growth and nourishment of lasting religious values. Students are given the opportunity to develop their own religious beliefs by voluntarily taking part in regular campus chapel services, fellowship groups and retreats. The college chaplain is available to all members of the Queens community as they seek spiritual understanding and growth.



Belk Chapel

Athletics. Queens College has been expanding its athletic opportunities and is a member of NCAA Division II. The college offers intercollegiate competition in nine sports. Women's teams compete in basketball, softball, soccer, tennis and volleyball, while the men field teams in basketball, soccer, tennis and golf.

Recreation and intramurals. Queens offers a varied recreation program that permits students to take part in a wide range of sports.

Ovens Gymnasium houses a large gym, a dance studio and a swimming pool. In addition, there are six tennis courts, three of which are lighted. The physical education department makes these facilities available to students on a regular basis through recreation nights and free-swim periods. Intramural teams often compete against each other in basketball, softball, table tennis, tennis and volleyball, with an occasional challenge from a faculty team.

Honor Associations, Honors and Awards

Several organizations have been established at Queens to recognize high achievement, both in scholarship and in campus leadership.

Alpha Psi Omega, the largest dramatic honor society in the country, began a chapter at Queens in the spring of 1994. Membership is based on points accrued by working in either the performing or technical aspects of theater. Work may be done at Queens or in professional community theaters.

Beta, Beta, Beta. The Tau Tau Chapter of the Beta Beta Beta National Honorary Biological Society promotes interest in the biological sciences and keeps students aware of new developments in the field. The chapter is affiliated with the North Carolina Academy of Sciences. Eligibility for membership is based on academic achievement.

Delta Omicron. Omicron Lambda chapter of Delta Omicron, an international music fraternity, was established at Queens in May 1959. The national organization was founded in 1909 at the Cincinnati Conservatory of Music. Membership is open to students doing major or minor work in music, to music faculty, to professional musicians and to concert artists. Scholarship of high quality is requisite to membership.

Janusian Order is an honorary organization that was established at Queens in 1937 and includes students selected from the sophomore class on the basis of outstanding leadership, citizenship and scholarship exhibited during their freshman year at Queens.

Mortar Board is a national senior honor society. Queens' — the 200th chapter — recognizes those students who have demonstrated not only outstanding scholarship, but who have made significant contributions as leaders.

Phi Alpha Theta. The Alpha Gamma Kappa chapter of Phi Alpha Theta, an international honor society in history, recognizes excellence in the study of history. A member of the Association of College Honor Societies, the society promotes history through the encouragement of research and the exchange of learning and thought among historians. It seeks to bring students, teachers and writers of history together intellectually and socially. Eligibility is based on academic achievement.

Sigma Theta Tau: Mu Psi at large is a chapter of Sigma Theta Tau International The Honor Society of Nursing founded in 1922. Students who have completed at least half the nursing major and demonstrate superior academic achievement and leadership potential are invited to join.

Sigma Upsilon is a fraternity for writers and was founded in 1906. The Cakes and Ale Chapter at Queens was established in May 1951. Membership is based on creative literary ability, interest and active participation.

Student Marshals are students who have achieved academic excellence; they are selected each year following Term I on the basis of class rank from a list of eligible degree candidates who are taking a full-time course load. They serve as ushers in academic processions at official college events.

Who's Who Among Students in American Universities and Colleges recognizes noteworthy student leaders on campuses throughout the country and registers them in a national collegiate publication. The students are selected on the basis of scholarship, leadership, citizenship, participation in co-curricular activities and the promise of future contributions to those areas.

In addition to membership in campus honor associations, Queens College recognizes a number of other honors and awards. These include scholastic honors such as the Dean's List and graduation with honors, creative writing awards, awards in a number of other academic areas, several athletic citations and the Diana Award.

Since 1948, the New York Southern Society has granted to Queens College the privilege of bestowing two Algernon Sydney Sullivan awards each year, one to an outstanding graduate and another to a person who has some other association with the college.

Mr. Sullivan, a distinguished lawyer and the first president of the Society, had such outstanding qualities of moral courage and personal inspiration that the Society created these awards to honor him and to commend others who might exemplify similar qualities.

STUDENT SERVICES

Housing. Queens views on-campus living as an integral part of the educational experience. Traditional-age students who are candidates for an undergraduate degree will live in residence halls unless they are married, reside with their parents or guardians or receive special permission for other residence by the director of residence life.

There are five residence halls on campus, each with its own distinctive style. They range in size from 70 to 140 students and in type of accommodations from traditional double rooms to suites.

All first-year students are assigned to rooms and roommates by the Office of Residence Life. Other students choose their rooms in an order determined by their reservation fee and by lottery.

The college insurance program is designed to provide protection for college property and does not include the property of students or others. Students and their parents should review their insurance to be sure that coverage is extended to include personal effects while at college.

International students. Queens College welcomes students from a variety of foreign countries and works to make their stay rewarding and productive. The Admissions Office can provide special information about language proficiency requirements, financial aid and housing. The International Experience Program office aids international students with immigration forms, academic advising and special opportunities in the Charlotte community.

Counseling services. Queens has professional counseling services available to students for personal counseling, ongoing growth or community referrals. The Counseling Center is located in the Health Center and appointments may be made by calling 337-2556. Counseling is confidential and there is no fee for short term therapy (approximately 10 sessions).

Many other trained professionals are available on the Queens staff. Student development staff members, including resident coordinators and resident assistants, are given training in the rudiments of peer counseling and helping with referrals.

Referrals to off-campus psychologists and psychiatrists may be made by the Counseling Center staff when necessary. The cost of all off-campus therapy is the responsibility of the individual student.

If a student demonstrates that he or she is potentially harmful to himself or herself or to others, appropriate action will be taken. The student will be required to undergo a psychiatric evaluation and the appropriateness of continued residence on campus will be assessed. Personnel in the college counseling center will help the student and the student's family work out a suitable plan for assessment and treatment. The student may not return to the College until an acceptable treatment plan is in place. The student may be withdrawn (six-month minimum) from the institution, dependent upon the outcome of the psychiatric evaluation and the recommendations of the Counseling Center and Student Development. Counseling Center and Student Development personnel are responsible for assessing the student's readiness to return to campus after reviewing the treatment summary and follow-up recommendations. Queens is dedicated to providing students positive learning experiences, without any jeopardy to their ongoing mental well-being.

Health services. All full-time degree candidates enrolled in the College of Arts and Sciences are entitled to the services of the Irwin-McKay Student Health Center during the terms in which they are enrolled.

There is a specific procedure for medical coverage when the Health Center is closed. Following these guidelines helps maintain continuity of care and increases cost effectiveness of medical care for students.

In case of an emergency during normal hours of operation, students should go to the Health Center. If an emergency occurs outside of these hours, students should contact a member of the Queens residence staff or campus police to ensure speedy notification of a physician.

Medical care obtained off campus, including emergency room visits, lab charges and prescription medication, is the responsibility of the individual student. A health insurance plan is available through the College. Information regarding this plan is sent to each student.

Students must submit a completed medical history and physical examination form to the Health Center before enrolling at Queens. This form initiates the student's medical file and facilitates preventive medicine.

North Carolina law mandates that all students present proof of having received certain immunizations. Students who have not received the specified immunizations will not be permitted to attend classes, nor will they be permitted to remain on campus. Immunizations are available at the Health Center, which retains immunization records for 10 years.

Career development. The Career Center engages students and alumni from the College of Arts and Sciences in an intentional career development process to increase job and graduate school options after graduation.

Many students enter college unsure of career interests and job availability. The Career Center offers services to help launch a career path which best utilizes the Queens liberal arts education.

The Career Center promotes, counsels and teaches comprehensive career development skills. Students and alumni learn to identify and implement career plans to achieve their educational and career goals through a process of:

◆ self-assessment (interests, skills, values and personality)
◆ career exploration (via books, career software, seminars, information appointments, shadowing and mentoring)
◆ academic evaluation (both undergraduate choice of major and choice of graduate-level study)
◆ experiential learning (internships, part-time and summer jobs, volunteering)
◆ job search training and support
◆ graduate school application preparation and support

The Career Center works closely with the Internship Program, assisting prospective students to prepare for the internship and marketing the internship to prospective employers and graduate schools. To help launch career plans after graduation from Queens College, the Career Center works with employers and graduate schools to locate and disseminate information regarding graduate/professional school programs and options for volunteer, part-time, summer and full-time jobs. Queens is a member of the Metrolina Career Consortium, host of an annual job fair where students learn about employment opportunities through more than 50 organizations. Students are encouraged to attend numerous local and regional job fairs as well as professional association meetings. The Career Center also assists students and alumni with resume production, interview preparation, job search correspondence and reference procurement.

Prospective teachers are encouraged to establish a placement file including letters of recommendation. The placement file remains active for five years after the student graduates unless the office receives a written request for an extension.

To provide the College with employment and graduate school trends and to record evaluations from recent graduates, the Career Center provides a Recent Graduate Trend Report.

Those students and alumni who keep their Career Center registration accurate and current will receive the most updated and extensive services.

College of Arts and Sciences alumni who graduated prior to 1991 may discuss their need for services with the director of the Career Center. Referrals will then be made to various high-quality, fee-based career counseling services. Persons not enrolled in the College of Arts and Sciences may obtain a fee schedule and brochure from the Career Center.

ADMISSIONS, COSTS AND FINANCIAL AID

ADMISSIONS

Queens College admits students regardless of race, creed, age, sex, national and ethnic origin or handicap to all rights, privileges, programs and activities generally accorded or made available to students at the college. It does not discriminate on the basis of race, creed, age, sex, national or ethnic origin or handicap in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other college-administered programs.

Freshmen. Students applying to Queens should follow a college-preparatory program in an accredited high school. Four years of English, three years of mathematics, two years of a foreign language, two years of social science and one year of a laboratory science are recommended basic preparation.

In evaluating an application, the Office of Admissions considers the applicant's high-school record, especially the quality and amount of college-preparatory work; recommendations from the secondary school; scores from the Scholastic Aptitude Test (SAT) or The American College Testing Program (ACT); and the student's own stated objectives. Candidates for admission are encouraged to take achievement tests.

SAT and achievement test applications and information about testing dates may be obtained from secondary school counselors or from The College Board, Suite 250, 2970 Clairmont Road, Atlanta, GA 30329-1639. The College Entrance Examination Board (CEEB) code number for Queens College is 5560.

ACT applications and information about testing dates may also be obtained from secondary school counselors or from ACT Records, P.O. Box 451, Iowa City, Iowa 52240. The ACT code number for Queens College is 3148.

The college operates on a rolling admissions basis. Beginning Sept. 15 of each academic year and weekly thereafter, completed applications are presented to the Admissions Committee for action. Generally, applicants are notified of the college's decision within 30 days of our receipt of a completed application.

Accepted applicants are requested to notify the college of their decision as soon as their college plans are firm or by May 1.

Students must reserve their place in the incoming class by sending a non-refundable reservation fee of $200. This deposit is applied toward tuition and room for the applicable term.

Transfers. Queens welcomes transfer students from other accredited colleges and universities. They may apply for admission for Term I, Term II or summer term. Applicants must ask each institution they have attended to forward transcripts and statements of good standing to the Queens College Office of Admissions.

Transfer students are expected to have followed the recommended high-school curriculum and to have maintained a minimum 2.000 average on a 4.000 scale in previous college work. For liberal arts and sciences courses completed at other accredited institutions, credit usually will be transferred if the grade earned is C or better. Courses transferred from two-year institutions are classified as either 100- or 200-level courses.

Adult students. Queens welcomes adult students to the College of Arts and Sciences. Adult students are those who are 25 years of age or older at the time of their first entrance to the college. The adult program follows the same requirements as the traditional age student, except SAT or ACT test scores are not required, but recommended. The Office of Admissions and the Office of Student Development can provide additional information concerning the resources available to the adult student.

Readmission. A degree candidate who has withdrawn in good academic and financial standing and who wishes to return to Queens may apply for readmission by submitting an application to the Office of Admissions. Transcripts of all work attempted at other institutions must be sent to the Office of Admissions.

Special students. Students who are not candidates for a degree but who wish to enroll for credit may apply as special students.

Special students who do not hold a bachelor's degree are limited to a cumulative total of 15 credit hours. A student holding a bachelor's degree is allowed the privilege of unlimited credit hours. The availability of space may limit enrollment in some courses. Special students must maintain at least a 2.000 average to continue their enrollment.

A special student who wishes to become a degree candidate must apply through the admissions office.

Persons interested in teacher certification who have already earned a bachelor's degree are admitted as special students. They should consult with the director of admissions regarding admission and are expected to complete 12 credit hours successfully at

Queens before undertaking student teaching.

Visiting students. Regularly enrolled students in good standing at other colleges may apply as visiting (transient) students at Queens. Generally, a visiting student is admitted for only one term; however, visiting students may re-apply for additional terms. Application materials may be obtained from the Office of Admissions. Students must have the appropriate official from the parent college submit a letter stating that the student is enrolled in the college, is in good standing and has permission to enroll in courses at Queens to be transferred back to the parent institution.

Advanced placement. Students who have completed college-level work in their secondary schools should take the appropriate Advanced Placement (AP) test administered by the CEEB. In most areas, Queens grants advanced placement and course credit automatically if the student scores either 4 or 5 on such tests. Advanced placement in English is given for literature courses only.

International Baccalaureate (IB). Queens College endorses the IB program and recognizes the IB program as more demanding than conventional academic coursework. Credit may be granted for examination scores of 5 or higher based on departmental evaluation.

College Level Examination Program (CLEP). Queens also awards credit and advanced placement to students who score satisfactorily on approved subject level tests of the CLEP. Credit will not be granted if it duplicates credit already earned. Neither grades nor quality points will be awarded, nor may CLEP credits satisfy the final 30 hours required for graduation from Queens.

Language placement. All applicants who have taken Spanish, French or German in secondary school and who wish to continue study in that language at Queens should take a language achievement test for purposes of placement. Students who do not take the CEEB language achievement tests may take a language placement test after enrollment at the college.

Accelerated admissions. Students with superior academic records may apply for admission during their junior year in high school. They must submit transcripts, recommendations and SAT scores or ACT scores and schedule a conference with an admissions counselor. In some states local school authorities will grant a high-school diploma after a year of college work; any such agreement is the responsibility of the student and the local authorities. A student also may obtain a high-school equivalency certificate by examination.

For students who have made plans for graduate school or professional study, accelerated admissions is one way of shortening the time before they can begin their careers.

International students. Queens College welcomes international students. Candidates must provide the Office of Admissions with a completed college application for admission accompanied by the payment of a $25 filing fee. Applicants must ask each institution that they attended to forward their transcripts to the Office of Admissions. Transcripts must be translated into English by an official at the high school or college issuing the transcript.

It is recommended that international students take the SAT. Any student for whom English is not the first language must satisfactorily complete the Test of English as a Foreign Language (TOEFL) with a minimum score of 550 and have the score sent to the Office of Admissions. Information may be obtained by writing to the TOEFL Program, Educational Testing Service, Box 899, Princeton, N.J. 08541. The TOEFL code number for Queens College is 5560. Registration arrangements should be made at least two months before the testing date.

International students also are required by the Immigration and Naturalization Services to submit a confidential certified financial statement indicating the amount of funds available for their education in the United States.

High-school dual enrollment. Any student who is a junior or a senior in a Charlotte-Mecklenburg area secondary school may enroll for courses at Queens during any term when recommended by the secondary school. Credit earned under the dual-enrollment program may be used at Queens or another institution as college credit when the student enrolls as a degree candidate. A high school student who wishes to become a dual enrollee must apply through the admissions office.

Medical report. All applicants who accept the college's offer of admission must submit a complete medical history, including a physician's certified record of immunizations. Medical forms are mailed to enrolling students and must be filed with the college prior to registration.

Alumni admissions representatives. Local alumni representatives are available to talk with prospective students in a number of cities throughout the country. Their names and addresses may be obtained from the Office of Admissions.

Campus visits. Prospective students and their families are encouraged to visit Queens. They are welcome at any time, but will find visits more beneficial if they are scheduled when the college is in session. The Office of Admissions is open from 8:30 a.m. to 5 p.m. on weekdays throughout the year and until noon on Saturdays by appointment.

Each year a series of special open houses is scheduled for prospective students and parents. Interested students should write or call the Office of Admissions (1-800-849-0202) for further details.

In summary. Because the number of places in the Queens student body is limited, prospective freshmen should apply for admission early in the senior year of high school. Application forms should be obtained from the Office of Admissions and should be returned with a non-refundable $25 application fee. Students should request that their transcripts, SAT or ACT scores and recommendations from the secondary school be sent to the Office of Admissions. Transfer students must request transcripts from high school and each college attended. The Office of Admissions will act on an application as soon as all information has been received. Accepted resident students are requested to mail a **non-refundable** deposit of $200 to accept the Queens offer of admission.

COSTS

While the Board of Trustees reserves the right to adjust the fee schedules at Queens at any time, the following basic fees have been established for 1996-97.

Full-time students. Full-time students pay the College of Arts and Sciences full-time tuition rate, which also includes the student activity fee, student accident insurance policy, and other services for regular full-time students registered for 12 or more credit hours in each of Terms I and II. Resident students also can receive some basic Health Center services at no additional cost. Commuting students requesting Health Center services pay for such services as received.

	Fall	Spring	Annual
Tuition	$6,155	$6,155	$12,310
Room	$1,525	$1,525	$ 3,050
Board	$1,165	$1,165	$ 2,330

In addition to tuition, full-time students pay any course and lab fees applicable, as specified in the Course Listings section of the *Catalog.* All resident students are required to participate in one of the meal plans (described below).

Part-time students. Part-time students (11 or fewer credit hours per term) not residing in the residence halls pay tuition of $215 per credit hour during Term I and Term II. Part-time students pay a registration fee of $20 per term. In addition to this tuition and registration fee, part-time students pay any course and lab fees applicable, as specified in the Course Listings section of the *Catalog.*

Part-time students residing in the residence halls pay the full-time tuition rate described above, regardless of the number of credit hours for which they are registered. Part-time students paying the full-time tuition rate do not pay tuition at the per-credit-hour rate or the $20 registration fee. Any course and lab fees do apply, however, as specified in the Course Listings section of the *Catalog.* A part-time student must obtain permission from the director of residence life to live in the residence halls. All resident students are required to participate in one of the meal plans (described below).

Part-time students not paying the full-time tuition rate pay for Health Center services as received.

Residence halls. Double-room residence hall accommodations are included in room rate of $1,525 per term. If space is available, a student may choose to have a private room for an additional $500 per term. Details of the private room policy are available in the Office of Student Development.

Damages to residence halls are billed after the end of each term and are payable when billed.

Telephone/cable television. Each residence hall room is equipped with a telephone line and cable television service. Students need to provide their own personal telephone and television. The cost is included in the basic room charge.

Meal plans. All resident students are required to participate in one of the meal plans provided by the college. The cost is $1,165 per term.

Students with special dietary needs should have a physician outline these needs in a letter to the dean of student development, so that the meals can be prepared accordingly.

Other academic fees

Reservation fee. A $200 non-refundable reservation fee is required for new students upon acceptance of admission to the college. This fee is applied toward costs for the applicable term.

Housing deposit. A $200 non-refundable housing deposit is required for returning resident students each spring. This fee is applied toward costs for the applicable term.

Orientation fee. An orientation fee is required for all new full-time students. This fee is $50 and is included in the fall term billing payable Aug. 1.

Course and lab fees. Specific course and lab fees are given in the Course Listings section of the *Catalog.* Approximate fees per course are as follows:

Liberal Learning fees (range)	$15-$65
Music (weekly, private lessons per half hour):	
Full-time students	$75
Part-time students	$100
Nursing course fees	$25-$35
Physical education course fees:	
Horseback riding	Approximately $185
Other courses	Approximately $25
Science lab fees	$25

Audited courses. The tuition status of a student taking an audited course is determined by combining the number of credit hours the audited course carries and the number of credit hours taken by the student in non-audited courses. If this total is 12 or more, the student pays the full-time tuition rate, plus any course and lab fees applicable. If this total is less than 12, the student pays tuition of $215 per credit hour for all hours in this total, plus the part-time registration fee of $20 per term and any course and lab fees applicable.

Dual enrollment (College of Arts and Sciences and Hayworth College or Graduate Programs). Degree candidates in the College of Arts and Sciences taking a total of 12 or more credit hours pay the full-time tuition rate regardless of the division of their credit hours between the College of Arts and Sciences and the Hayworth College or Graduate Programs. Degree candidates in the College of Arts and Sciences not paying the full-time tuition rate pay tuition per credit hour for all courses.

Teacher certification students. Persons interested in teacher certification who have already earned a bachelor's degree will not be required to pay the College of Arts and Sciences full-time tuition rate. Instead, these students pay tuition of $215 per credit hour, plus appropriate course and lab fees and the $20 registration fee.

Center for Career Development fees. Services of the Center for Career Development are available to College of Arts and Sciences students at no additional charge. Persons not enrolled in the College of Arts and Sciences may obtain a fee schedule from the Center for Career Development.

Special fees.

Application fee (non-refundable)	$25
Diploma fee (part-time students only)	$70
Part-time registration fee (non-refundable)	$20
Late registration fee (non-refundable)	$10
Private room fee per term	$500
Transcript fee, expedited service only	$15

Other expenses

Insurance. All full-time students are eligible for coverage under the Student Sickness Insurance Plan and will be covered unless an exemption request form is filed with the college. Brochures outlining the coverage and costs are sent to all full-time students during the summer.

All full-time students are covered automatically by the Student Accident Insurance Plan. Claim forms for these insurance policies are available in the Health Center.

Challenge examinations and CLEP. The fee for each internally set Queens College challenge examination is $100. The fee for nursing challenge examinations is defined by the National League for Nursing and can be obtained from the Division of Nursing. The fee for each CLEP test is $50.

Miscellaneous expenses. The cost of books and supplies varies with courses taken, but the average expense is $600 per year. Non-college expenses such as travel, clothing, entertainment and incidentals vary according to individual student needs. Students joining sororities or fraternities will have additional costs for initiation, dues and special assessments. Laundry is not included in the full-time tuition rate. (Coin-operated machines are available in each residence hall.)

While the full-time tuition rate provides for basic Health Center services for resident students, all students are responsible for paying any charges for special visits, consultations, medicines, laboratory work and hospitalization.

Payment regulations. Upon signing the application for admission, the parent or guardian (or the applicant, if not a minor) accepts as binding all fees and regulations set forth in the *Catalog.*

1. Fall term tuition, room and board fees, less reservation fee paid or housing deposit paid, are payable by Aug. 1, 1996, and the spring term tuition, room and board fees are payable by Dec. 5, 1996.

2. Part-time students pay upon registration for each term.

3. Queens accepts checks, cash, MasterCard or VISA.

4. Students who do not wish to pay in full at the beginning of each term may be interested in the following programs offered by Tuition Management Systems (TMS). See also "Employer Assistance Deferment Plan" below.

a. Installment plan for full-time students. The annual tuition, room and board fees may be paid in 10 monthly installments (June through March) each year. Payments may begin after June by remitting two installments if beginning in July or three installments if beginning in August. The annual enrollment fee is $50. Information on this program is sent to all full-time students during the summer and is available in the Business Office.

b. Installment plan for part-time students. Payment for fall term may be made in four equal installments, payable at registration and by the 25th day of September, October and November. Payment for spring term may be made in four equal installments, payable at registration and by the 15th of February, March and April. Summer payment dates are published in the spring prior to registration for the summer term. A deferment fee of $55, payable upon registration, is incurred each term tuition is deferred under this plan. A late payment penalty is incurred if an installment is not paid by the due date. The college reserves the right to deny participation in this plan to students on the basis of their payment history with the College.

c. Unsecured educational loans. There is a variety of student and parent loans available. Information on these loans is available in the Queens College Office of Financial Aid.

5. A student is not permitted to attend classes until satisfactory arrangements have been made to meet all financial obligations. Continued class attendance is contingent upon maintaining good financial standing throughout the term.

6. Diplomas, certificates and transcripts are issued only when the student's accounts have been paid in full.

7. Credits for financial aid are divided equally between the fall and spring terms.

Typical full-time student payment schedule

	Resident	Commuter
Due upon acceptance:		
Reservation fee	$200	$200
Due by August 1:		
Fall tuition, less reservation fee	$5,955	$5,955
Fall room	$1,525	
Fall board	$1,165	
Sickness insurance annual premium (optional)	$190	$190
Orientation fee (new students only)	$50	
Due by September 25:		
Fall course and lab fees (determined at registration when specific courses are finalized)	varies	varies
Due by December 5:		
Spring tuition	$6,155	$6,155
Spring room	$1,525	
Spring board	$1,165	
Due by February 15:		
Spring lab fee	varies	varies

Employer Assistance Deferment Plan. The Employer Assistance Plan (EAP) is a deferment plan available to students whose employer will reimburse them for tuition at the end of the term. Under this plan, tuition for fall term is due by Jan. 22, spring term by June 1, and summer term by Sept. 21. Students wishing to apply for this plan must submit the EAP application form to the Business Office as soon as possible but no later than four weeks into the term. These forms are available in the Business Office and the Office of Adult Admissions. A deferment fee, payable upon registration, is incurred each term tuition is deferred under this plan — $50 for the first course and $25 for each additional course. A late payment penalty is incurred if a payment is not made by the due date. The college reserves the right to deny participation in this plan to students on the basis of their payment history with the college.

Withdrawal from a course. Students who withdraw from a course during the first 10 days of the term will have their tuition reimbursed for that course. There will be no tuition refunds for course withdrawals after Sept. 10 in the fall and after Jan. 17 in the spring.

Withdrawal from the College

Withdrawal-medical. Students who withdraw from the college during the academic year for medical reasons will have tuition, room and board prorated as of the date of withdrawal, provided the physician recommends withdrawal in a letter to the director of the College of Arts and Sciences.

Withdrawal-academic ineligibility. A student determined by the Student Qualifications Committee to be academically ineligible to return will receive a refund if the student has made payments or has a credit balance toward the next term's tuition and fees. Such decisions are made at the end of each term.

Withdrawal-other reasons. Students who withdraw from the college will have tuition, room and board for the current term prorated according to the following schedule:

Withdrawal Date	Percent Refunded
First day of classes	100%
Less than two weeks into the term	90%
Two to four weeks into the term	50%
Four to eight weeks into the term	25%

Students who feel that individual circumstances warrant exception to this policy may appeal to the Financial Policies Committee, provided such appeal is made in writing to the treasurer/business manager before the end of the term for which proration is requested.

Withdrawal involving financial aid. If the college determines that the student is due a refund and all or part of the student's institutional charges were paid with financial aid funds, all or a proportional part of the total refund must be returned to the Title IV and N.C. Legislative Tuition grant programs and may be returned to other State and Queens financial aid programs.

The amount to be returned will be determined according to the formula mandated by the U.S. Department of Education. In accordance with federal regulations, Queens will credit refunds to financial aid programs in the following order:

1. Outstanding balances on Federal Family Education Loan Programs (including Stafford, SLS and PLUS)
2. Outstanding balances on Federal Direct Loans
3. Outstanding balances on Federal Perkins Loans
4. Federal Pell Awards
5. Federal SEOG Awards

6. Other Title IV Programs
7. North Carolina Programs
8. Queens College Programs

A detailed worksheet of refund policy is available in the Office of Financial Aid and is provided to students upon request.

Withdrawal-academic regulations. For further information about the withdrawal procedure, see the section on “Withdrawal from the College” under Academic Regulations in the *Catalog.*

FINANCIAL AID

As a private institution that places the quality of the educational experience above other considerations, Queens realizes that the cost of attending college is a matter of overriding importance for many families. Applicants should not hesitate to apply for financial assistance. Queens will attempt to meet the demonstrated financial need of applicants and welcomes the opportunity to work with students and their parents. Although most awards are based on financial need, some aid is based on the academic and leadership abilities of applicants, whether or not they have demonstrated need.

Federal programs. Federal Pell Grants are available to eligible undergraduate students on the basis of financial need. The grants range from $400 to $2,440 per academic year. A student must complete the Free Application for Federal Student Aid (FAFSA) to determine the amount for which the student is eligible.

Federal Supplemental Educational Opportunity Grants (FSEOG) are available on an annual basis to full-time undergraduate students with exceptional financial need. These grants range from $100 to $1,000.

The Federal Work Study (FWS) awards are made to students who demonstrate financial need. Each student awarded work-study will be placed in a campus job and will be paid monthly for hours worked.

Federal Perkins Loan Program permits students with established need to borrow up to $3,000 per year. Repayment begins six months after the borrower ceases to be at least a half-time student and may extend over a period of 10 years. If the borrower enters certain public-service occupations, the loan may be canceled. These loans bear a five percent interest rate during repayment.

Federal Stafford Loan eligibility is determined by the Financial Aid Office. Loans are made by banks, credit unions, savings and loan associations and other agencies. Annual loan limits are

$2,625, freshmen; $3,500, sophomores; and $5,500, juniors and seniors. Two types of Stafford Loans are available: subsidized Stafford Loans (federal government pays interest during enrollment) and unsubsidized (borrower pays interest during periods of enrollment). Terms for the loans and applications may be obtained from participating agencies or from Queens' Office of Financial Aid. Students must complete a FAFSA to determine eligibility for Stafford Loans.

PLUS Loan Program (Parent Loans for Undergraduate Students) allows parents to borrow up to the cost of attendance minus any financial aid the student receives. Interest is currently 8.98 percent, but is variable and repayment begins after disbursement. Terms for the loans and applications may be obtained from participating banks or agencies or from Queens' Office of Financial Aid.

The amount of funds available to Queens students under FSEOG, FWS and Federal Perkins programs is determined by allocations made to the college each year by the U.S. Department of Education. All federal programs are subject to revision of funding or regulation by congressional action. Students are encouraged to contact the Office of Financial Aid for the most up-to-date information on these programs.

North Carolina programs. *The State Contractual Scholarship Fund* is provided to Queens College by an act of the North Carolina General Assembly. Scholarships are available to full-time undergraduate students who are legal residents of North Carolina. This fund assists qualified students who demonstrate need.

North Carolina Legislative Tuition Grants (NCLTG) are available to North Carolina residents pursuing their first bachelor's degree and enrolled for 12 credit hours per term. In 1995-96, the NCLTG was $1,250.

The North Carolina Student Incentive Grant Program (NCSIG) provides grants up to $1,500 per academic year for eligible students who are North Carolina residents. Recipients must demonstrate substantial financial need and apply by completing the appropriate questions on the FAFSA and mailing it before March 15. Awards are determined by The College Foundation, Inc.

The North Carolina Prospective Teachers Scholarship Loan Fund is awarding scholarships in the amount of $2,000 for each regular school year. The criteria for awarding scholarships are measures of academic performance, including grade-point average, scores on standardized tests, class rank and recommendations of guidance counselors. Teaching in North Carolina public schools upon graduation allows cancellation of the loan at a prescribed amount per year of service. Application should be made to the Prospective Teachers Scholarship Loan Fund, State Department of Public Instruction, Raleigh, North Carolina. Further information is available in the Office of Financial Aid.

College programs. *Presidential Scholarships* are offered by Queens College to a select number of new students each year. In the 1996-97 academic year, these scholarships cover Queens' tuition after the NCLTG is applied (if applicable). If other scholarships are received, the scholarship may be reduced so that the cost of education is not exceeded. Presidential Scholarships are based strictly on academic achievement; financial need is not a factor in selection. Scholarships are renewable for three years based on academic performance.

Applicants usually rank in the top five percent of their high school class and have SAT scores of at least 1200.

Consideration may also be given to involvement in church or school activities, leadership and influence with peers and exceptional talent or interest in a particular field of activity.

Presidential Scholarships at Queens have been named for or established by the following:

James H. and Eleanor H. Barnhardt
Mr. W.R. Cuthbertson and children
Dowd Foundation
First Union National Bank
Alice Nichols Gilley
Judy Cochrane Gilman
Willie Choate Hampton
Alex Hemby Foundation
Annabel Lambeth Jones
David Gilchrist Jones
John Wesley Jones
Lou Finch Jones
Frances Carroll McColl
Virgilia Cole Moore
Jane Ellen Norman Nichols
Ruth Harding Stowe
Marguerite T. Trexler
Virginia Gray Vance

Queens Scholar Awards are available annually to new students who have exhibited outstanding records in scholarship and leadership. The amounts of these awards vary and they are renewable for three years based on academic performance.

Mecklenburg Scholars, chosen from the 11 public high schools in Mecklenburg County, are selected on the basis of academic achievement and demonstrated leadership. These scholarships cover full tuition, after the NCLTG is applied. They are renewable for three years based on academic performance.

Minority Scholars. Minority Scholarships are made to minority students with outstanding academic credentials and leadership records. The amounts of the awards vary, but range up to $20,000 over four years. Qualified African-American, Hispanic American, Native American and Asian American students may apply.

Carol G. Belk Scholarship Awards are available annually to outstanding new students. Recipients are chosen on the basis of their leadership records in school and community, academic ability and potential for continuing leadership at Queens. The amounts of these awards may vary and each is renewable for three years based on the student's academic performance.

Redd Special Achievement Awards are made annually to students who have demonstrated talent or ability in a special area. Amounts of these awards vary and they are renewable based on performance.

Dana Scholarships are awarded annually to students in each of the sophomore, junior and senior classes, who maintain outstanding records for scholarship and leadership. Recipients are selected, at the recommendation of the faculty by the Faculty Honors Committee.

New Dimensions Fellowships are available to adult students making applications as degree candidates in the College of Arts and Sciences. Fellowships, ranging from $300-$2,000, are based on the student's academic achievement, scholarly promise, personal achievement and outstanding character; fellowships are not based on financial need. The number of awards vary per year based on financial availability.

Departmental Scholarships are available to a limited number of students with outstanding achievements in specialized areas. These scholarships are currently available in the departments of art, biology, chemistry, history, music and nursing.

Other named scholarships. In addition to merit-based scholarships, Queens awards many other scholarships on the basis of financial need. These include scholarships named for or established by the following:

Naomi G. Albanese
American Schlashorst
Robert C. & Sadie G. Anderson
Mr. & Mrs. William H. Barnhardt
Frances & Virginia Barrett
Ann Everett Belk
Carol G. Belk
Dr. Andrew Blair
Elizabeth Blair
Blumenthal Foundation
Sarah Locke Blythe
Brevard Student Fund
Sara Doll Burgess
Clara H. Carswell
Cassels Scholarship
Cato Corporation
Challen Scholarship
The Charlotte Panhellenic Congress
Coca-Cola Consolidated
Dalton-Hutchinson

Charles A. Dana
Rose March Daniel
Helen Ellis
Rose Neel Evans
First Boston Corporation
First Presbyterian Church, Sumter, SC
J. Lee Flowe & Addie Belk Flowe
Donna Hanson Gillespie
Judith Cochrane Gilman
Ginter Foundation
Glaxo Foundation
Willie Hines Gwaltney
Hope & Pat Hall Scholarship
The Harman Fund
James J. & Angelia M. Harris
Wm. Randolph Hearst
James M. Johnston Trust
Carolyn M. Jones
Lou Finch Jones
Joseph Lammers Music Scholarship
Judy Moore Leonard
Hugh L. McColl Sr.
Marjorie McDorman
Foster G. & Mary W. McGaw
Mary W. McGaw
Carolyn G. McMahon
Donald D. McNeill
Merrill Lynch & Co. Inc.
Oscar Lee & Rose Evans Miller
Mrs. Ben W. Montgomery
NationsBank
Gertrude M. Norman
Nelle Evans Nye
J. Norman Pease & Ann Pease Gaskell
Alice Barron Pearce
Piedmont Club Foundation
Presser Foundation
Norris & Kathryn Preyer
Price-Waterhouse Foundation
Laura Janette Quattlebaum
Rankin-Cunningham
Dillon-Read & Company, Inc.
F.M. Redd & Bessie Flowe Redd
Robinson-Humphrey & Co., Inc.
Mary F. Ross
Salomon Brothers Inc.
Sanger Clinic
Lillian P. Seamon
George A. Shealy
Shelton Scholarship
Mr. & Mrs. J. Luther Snyder
Morgan Stanley & Company, Inc.
George Stegner
Worth Stewart
E. Lee Stoffle
Mr. & Mrs. R.L. Stowe
Kathryn L. Taylor
Carol Bishop Thornhill
Isabelle W. Trexler
UPS Foundation
Ufford-Northrop Wachtell, Lipton, Rosen & Katz
Wachovia Excellence in Business
May Ervin Wall
Lettie Pate Whitehead Foundation
James D. Wolfensohn Inc.

National Presbyterian College Scholarship Program (NPCSP). Queens College is one of 65 Presbyterian-related colleges which participate in the NPCSP. The NPCSP affirms excellence in scholastic ability and leadership and encourages superior students to attend Presbyterian-related colleges. Funds for awards are provided by the colleges and the Presbyterian Church (USA) Vocation Agency. Applications are available to confirmed members of the Presbyterian Church (USA) through high school guidance offices and churches. All forms must be completed and received by Dec. 1. Finalists are selected by a National Committee in mid-March. Scholarship amounts are determined on the basis of financial need.

Presbyterian Loan Fund. The sum of $500 or $1,000 per year may be borrowed by undergraduate students who are members of the Presbyterian Church (USA) and who give evidence of financial need. Interest of eight percent is charged on the unpaid balance and payments and interest begin six months after the student leaves school. Full information is available from the financial aid office of the General Assembly Mission Board, Presbyterian Church, Atlanta, Ga.

Ministerial tuition remission. Tuition remission is available to any full-time student who is the dependent or spouse of an active Presbyterian minister. Dependents of active ministers of the Presbyterian Church (USA) Mid-Atlantic synod receive a 20 percent tuition remission. Dependents of active ministers in all other synods of the Presbyterian Church (USA) receive a 15 percent tuition remission.

Family tuition remission. Tuition remission is available to any incoming student whose family currently has one or more family members already enrolled at Queens in the College of Arts and Sciences on a full-time basis. A 10 percent tuition remission will be granted to the incoming member of the family, providing that two or more dependents will be enrolled in the College of Arts and Sciences on a full-time basis during the same academic year.

To apply. To apply for financial assistance, students must have been admitted to Queens as degree candidates and must complete and submit the FAFSA. The form is available from Queens' Office of Financial Aid. The FAFSA also may be obtained from high school guidance counselors.

A copy of the family's federal income tax return, as well as other documentation, may be required for verification purposes.

Applications for financial aid should be submitted by entering students as early as possible after Jan. 1 of their senior year. Students filing before March 1 will receive priority in funding.

Financial aid policies. Most financial aid programs are renewable throughout the undergraduate years if the recipient demonstrates satisfactory progress toward graduation, but renewal of aid is not automatic. The Student Qualifications Committee evaluates students' progress and determines eligibility for continuing enrollment, according to the standards spelled out in the "Student

Qualifications" section of this *Catalog.* Students receiving financial aid funds must meet these minimum standards as well as a minimum credit-hour accrual indicating progress toward the completion of a degree. Standards for satisfactory academic progress are listed below.

Since renewal of financial aid is not automatic, rising sophomores, juniors and seniors must reapply for assistance each year by completing the Renewal FAFSA provided to them by the U.S. Department of Education. The amount offered in grants, loans and work-study funds also may vary from year to year.

Financial aid recipients who withdraw during the school year and are due a refund under the established Queens refund policy must return an appropriate portion of the refund according to the policy entitled "Withdrawal — Financial Aid Policy."

Students receiving aid under certain programs are expected to assume weekly work assignments at the college. Assignments are determined by the amount of aid received and the student's particular interests and skills. Renewal of students' work-study assignments each year will be contingent upon financial circumstances as well as previous performance on the job.

Queens College reserves the right to review and modify an offer of financial aid should the recipient receive aid from other sources after the Queens award has been offered.

Satisfactory academic progress policy. This policy is applicable to all students receiving financial aid from the federal or state government or from Queens College.

Evaluation of academic progress will be made at the end of the spring semester by the Financial Aid Officer. The academic year evaluated may include any combination of the prior summer term, fall semester and spring semester.

Students must maintain the grade-point averages required for their student class status as stipulated by the Student Qualifications Committee for continued enrollment at Queens College. These are found in the "Student Qualifications" section of this *Catalog.*

Students must show progress toward completion of their degree requirements to continue financial aid eligibility. The financial aid eligibility time frame for completion of a degree program cannot exceed 150% of the published length of the degree. For example, if your degree requires 120 credit hours to graduate, you are eligible to receive financial assistance until you have attempted 180 credit hours. Additional time needed to complete the undergraduate or graduate degrees beyond the maximums stipulated must be entirely at the student's expense.

Transfer students are treated as first year students for purposes of measuring the financial aid eligibility time frame for completion of a degree program.

Repeated courses, course withdrawals, incompletes and course failures count as hours attempted but not completed.

Students who fail to meet these minimum standards of academic progress will be placed on financial aid probation for a period of one academic term. During the probationary period students may continue to receive financial aid provided they are otherwise eligible. Students have this period to re-establish satisfactory academic progress by completing the additional hours needed to meet the minimum standard and/or raising their grade-point average to the minimum standards. If, at the end of the financial aid probation period, the students are able to re-establish satisfactory academic progress, the probation period is lifted. If, at the end of the probation period, the students fail to re-establish satisfactory academic progress, they will no longer be eligible to receive financial aid until such time that the minimum standards are met.

Students placed on probationary or ineligible status may appeal such action to the Financial Aid Committee if they believe that extenuating circumstances prevented them from maintaining satisfactory academic progress. Such appeals should take the form of a letter submitted to the Financial Aid Office within two weeks of the end of the probationary period (end of exams) or notification of placement of probationary status. The letter should include an explanation of any unusual circumstances and supporting documentation. The Financial Aid Appeals Committee must respond to the appeal within one week from date of receipt. If the appeal is granted, the students' progress is assumed to be satisfactory and progress is then measured from the time of the granted appeal. If the appeal is denied, the required number of credit hours or the required minimum grade-point average must be achieved at the student's own expense. Once the minimum standards have been achieved, students are again eligible for financial aid. The decision of the Financial Aid Appeals Committee is final.

THE ACADEMIC PROGRAM

Queens College offers programs in the College of Arts and Sciences leading to the Bachelor of Arts degree, the Bachelor of Music, the Bachelor of Science and the Bachelor of Science in Nursing. While these programs differ from each other in significant ways, each is rooted in the tradition of liberal education, and each provides students with an integrated and coherent program of study including the skills, competencies and knowledge necessary for a meaningful and successful life. Accordingly, all students earning the bachelor's degree in the College of Arts and Sciences must complete the Foundations of Liberal Learning Program and certain other specific degree requirements described below:

FOUNDATIONS OF LIBERAL LEARNING PROGRAM

The Foundations of Liberal Learning Program at Queens College consists of a sequence of five courses which a student will normally complete during a four-year program of study. Successful completion of all five courses is required of all full-time candidates for the bachelor's degree in the College of Arts and Sciences.

The aim of Liberal Learning is to encourage a "complex imagination," an intellectual energy which actively strives to connect, interrelate and integrate human experience. In the Liberal Learning program, both students and teachers consider human experience as a whole, not as a set of isolated segments, and they work to connect experience across disciplines, through past, present and future and across cultures. In all the Liberal Learning courses, the focus is on active learning, small-group work, creative problem-solving and ethical reflection.

The Foundations of Liberal Learning Program is supervised by the director of Liberal Learning and the Liberal Learning Steering Committee, who are responsible for all program requirements and to whom any requests for modification or exemption must be directed. Please see the section below under Academic Regulations for specific policies regarding the Liberal Learning program.

The first year of the Liberal Learning program consists of a four-hour course in Term I and a four-hour course in Term II. These courses provide an interdisciplinary exploration of themes and issues central to the human venture. Topics may vary, but will normally include humanity's relationship to nature, the process of individual development, the interaction between individuals and their communities and the development of human values. Both courses are closely coordinated with the freshman composition program.

In the sophomore year, the Liberal Learning program consists of one four-hour course in each term. These courses continue the interdisciplinary investigation of selected problems in the human experience and will highlight especially the modern world. Themes in the course will include, for example, economic development; intercultural relationships; and the nature of social and psychological change. Case studies will come from the contemporary world.

In the senior year, students take a three-hour Liberal Learning seminar devoted to serious ethical reflection about contemporary issues, problems of the future, ethics in adult careers and the continuing process of liberal learning.

Complete course descriptions of the Liberal Learning courses may be found in the "Courses of Instruction" section of the *Catalog*.

Queens College is located in Myers Park, one of the oldest and most beautiful residential neighborhoods in Charlotte.

OTHER DEGREE REQUIREMENTS

To earn a baccalaureate degree in the College of Arts and Sciences, a student must complete a minimum of 122 semester hours, at least the minimum stipulated number of semester hours in the student's major and concentration, and at least 36 semester hours at the 300 level or above. The student must earn a minimum cumulative grade-point average of 2.000 in all work at Queens and in all work in the major and concentration and must be in good standing with the Honor Code at the time the degree is awarded. In addition, each student must fulfill the following requirements:

Writing proficiency requirement. A student must enroll in and successfully complete English 110 and English 120 and successfully pass the English Proficiency Test in order to graduate. The test is given at the conclusion of English 120.

Writing-intensive course requirement. All students must successfully complete one writing-intensive course in his or her major. One or more writing-intensive courses have been identified for each major; where several courses have been identified, the student must take one, but may take others if he or she desires.

Mathematics proficiency requirement. Upon entry into the College of Arts and Sciences, all students will be required to take a mathematics placement test. On the basis of the placement test results and their previous academic record, students will be placed in one of three categories. Those placed into category A will not be required to take a mathematics course as a general college requirement; these students are encouraged to continue their mathematical education. Those placed into category B or C are required to successfully complete either MATH 104 (Mathematical Ideas), MATH 105 (Finite Mathematics) or MATH 111 (Precalculus). Students who place in category C will be advised to enroll in MATH 099 (Basic Mathematics) before enrolling in either MATH 104, MATH 105 or MATH 111.

Foreign language proficiency requirement. All students whose native language is English must demonstrate competency in a foreign language through the 102 level in order to earn the bachelor's degree. Competency may be demonstrated through a placement examination administered by the foreign language department or by successfully completing a three-hour course in that language at the 102 level or above.

Natural science requirement. All students must successfully complete at Queens College at least one laboratory-science course carrying a minimum of four semester hours of credit. Course work completed at another accredited institution prior to admission into Queens may be accepted to meet this requirement. Courses that satisfy this requirement are Biology 103, Environmental Science 101, Chemistry 101, Chemistry 111 and Physics 101. Biology 111 fulfills the natural science requirement for music therapy majors only.

Internship requirement. All students must take part in the "Preparing for Participation" phase of the internship program and successfully complete a six-credit-hour internship work experience during consecutive fall and spring semesters of the junior or senior year. The "Preparing for Participation" phase of the program is a seven-step process that takes place one semester prior to the work experience. Students register for INTE 498 while completing the first semester of the work experience and INTE 499 while completing the second semester of the work experience. Students majoring in nursing, education, and music therapy will fulfill this requirement through practicum experiences in their major.

Physical education requirement. A student must complete two physical education courses, each carrying one semester hour, preferably by the end of the sophomore year. No specific courses are required, but non-swimmers are urged to take PHED 151, Beginning Swimming, in the fall term of their freshman year.

The director of the College of Arts and Sciences may exempt students from the physical education requirement for medical or other appropriate reasons. Such requests should be submitted in writing, normally with a supporting recommendation from a physician or the chair of the physical education department. Any student exempted from the physical education requirement must still earn 122 semester hours in order to graduate.

Residency requirement. Every candidate for a baccalaureate degree in the College of Arts and Sciences must complete at least 45 of the minimum 122 semester hours required for graduation at Queens College. At least 30 of the 45 hours must be completed in the College of Arts and Sciences. The last 30 hours must be completed at Queens or in a Queens-approved program. No more than 60 academic credit hours and no more than two credit hours in physical education transferred from two-year institutions may be applied to the minimum 122 hours required for graduation. Students must complete at least 60 hours at Queens to be eligible for graduation with honors.

However, students who hold an undergraduate baccalaureate degree from another accredited institution or from Queens and are seeking a second degree must complete at least 30 hours at Queens over and above the hours earned for the first degree.

Convocation requirement. A student must attend the three college convocations (Fall Convocation, Spring Convocation and Awards Convocation) held annually.

Assessment requirement. Students are required to participate in a program of evaluation and assessment administered by the college to measure the effectiveness of a Queens education. This program will include both objective and reflective measurements offered from time to time during the student's years at the college.

ACADEMIC PROGRAMS

Degree Programs

Bachelor of Arts. A major for the Bachelor of Arts degree shall consist of no fewer than 30 credit hours. No more than 40 credit hours in the major department shall be required; students may, however, take more than 40 hours in a major department at their own initiative.

Bachelor of Science. A major for the Bachelor of Science shall consist of no fewer than 32 credit hours. For this degree, the student also is required to demonstrate language competency through the intermediate level.

Bachelor of Music. Queens College offers both the Bachelor of Arts in Music and the Bachelor of Music degree. The Bachelor of Music program includes majors in performance and music therapy. Students must have the permission of the Department of Music to enter any of the Bachelor of Music programs. The music therapy major is a 4 1/2-year program accredited by the National Association of Music Therapy and the National Association of Schools of Music. The program prepares students for work with children and adults who require special therapy because of behavioral, learning or physical disorders.

Bachelor of Science in Nursing. Candidates for the Bachelor of Science in Nursing degree are required to meet all general degree requirements as well as the requirements for the nursing major. Applicants who have been accepted to the college must also apply to the Division of Nursing for acceptance into the nursing major after meeting specified prerequisites. Students are encouraged to declare their interest in nursing by the end of the freshman year. Provision is made for those persons, such as registered nurses, who may wish to transfer into this program or apply for advanced standing. Information concerning the nursing program is available directly from the Division of Nursing.

The Major Program

In addition to completing the Liberal Learning program and other degree requirements listed above, each student must complete a major and a concentration. At least 50 percent of the credit hours required for the major must be earned at Queens.

The purpose of a major is twofold: to give the student an opportunity to achieve an appropriate level of mastery in a field of study and to enable the student to acquire knowledge, skills and perspectives which may help to make him or her effective in a career. A student will work with his or her faculty advisor to make a wise choice of a major. The student is required to declare the major no later than the preregistration period of the second term of the sophomore year. At that time, the student should also change faculty advisors to one in the major field if necessary.

The requirements of each major are described under the discipline in the section of this *Catalog* called "Courses of Instruction." The majors listed and the pages on which they appear are as follows:

Bachelor of Arts Degree	Page No.
Accounting	82
American Studies	126
Art	70
Biology	74
Business Administration	80
Communications	92
Comparative Arts	128
Education	102
English	109
English/Drama	96
Foreign Language	115
History	118
International Studies	130
Mathematics	138
Music	143
Philosophy/Religion	163
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Bachelor of Music Degree	**Page No.**
Instrumental Performance	144
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Bachelor of Science Degree	Page No.
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Bachelor of Science in Nursing	**Page No.**
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Concentrations. An undergraduate program of study will include a concentration. A concentration consists of a minimum number of hours and a prescribed program of courses. Requirements for concentrations are described on pages 183-195. Some majors specify which concentrations the students in that major must complete. Other majors permit the students to select any approved concentration. If a major does not specify a particular concentration, a concentration from a different area than the major must be selected. Concentrations must be approved by the faculty advisor for the student's major. Students who complete a second major will not be required to complete a concentration.

Elective courses. In consultation with the faculty advisor, a student chooses elective courses to complete the number of hours required for graduation. Electives offer the student the opportunity to augment the major field of study with collateral areas of knowledge or to explore areas or skills quite distinct from the major.

Teacher education. Students may secure a teaching certificate at the elementary or secondary level within the Bachelor of Arts program. Students must apply to the Department of Education for admission to the Teacher Education program by the end of the sophomore year. At that time, they are required to take two components of the Praxis Series, one on General Knowledge and on one Communication Skills. Application for student teaching must be made in the fall of the senior year.

Prior to completion of the program, students must take the last two sections of the Praxis Series' Professional Knowledge and Specialty Area.

Persons who already hold a bachelor's degree and are interested in teacher certification for the elementary grades should inquire about the Master of Arts in Teaching program. Those interested in secondary certification may be admitted to the College of Arts and Sciences as special students. They are expected to complete successfully at Queens a minimum of 12 credit hours before undertaking student teaching. In either case, those interested should consult the Office of Adult Admissions, as should certified teachers seeking teacher renewal credit or the Master of Education degree.

Queens-Presbyterian School of Christian Education dual degree program. Queens College maintains an agreement with the Presbyterian School of Christian Education (PSCE) in Richmond, Virginia, through which a student can earn both the Bachelor of Arts and Master of Arts degrees by studying for three years at Queens and for two years at the PSCE. The student is required to complete 92 credit hours at Queens and will receive the B.A. degree from Queens upon completion of the necessary 30 additional hours in appropriate courses at the PSCE. The student must, of course, satisfy all other degree requirements at Queens as well, including the Liberal Learning program. Students interested in this program should contact the Office of Admissions.

Pre-professional advising programs. Students who wish to prepare for post-baccalaureate professional education in a number of fields are served at Queens by a special faculty advisor and by the Center for Career Development. Students are encouraged to consult the appropriate advisor in planning their course work. Such students may, in combination with an individual major, elect to structure a program of study which is recommended as suitable preparation by the faculties and admissions committees of graduate programs.

Recommendations for appropriate courses for students in any major who wish to pursue professional studies after graduation in dentistry, law, medicine, occupational therapy, physical therapy, or veterinary medicine are listed on pages 195-196. Students who plan to apply to professional programs should check the admissions requirements for each school to which they might apply.

Students interested in medicine, dentistry and physical therapy are encouraged to consult the pre-med advisor. Students are advised to complete a sound liberal arts program in any major, provided that sufficient and appropriate courses in the natural sciences and mathematics are included. Information concerning the Medical College Admission Test (MCAT) is available from the Center for Career Development.

Law schools do not require or recommend specific majors. They do advise, however, that students examine a wide variety of subjects and ideas which lead to a broad understanding of the political, economic, social and cultural forces affecting our body of law and the society it orders. They also recommend that students develop the skills of logical reasoning, problem solving and effective written and oral communication. Such areas of knowledge are comprehensively addressed in the Foundations of Liberal Learning Program at Queens as well as in individual majors.

Students interested in preparation for legal studies are encouraged to consult the pre-law advisor and may wish to join the Justinian Society to broaden their knowledge of the law and current legal issues. Information concerning the Law School Admissions Test (LSAT) is available at the Center for Career Development.

Internships. Queens College places special emphasis on internships. An internship is a planned and supervised out-of-class work experience where a student uses the skills, knowledge and theories developed in the classroom setting in a real-world professional work environment. At Queens College there is special attention paid to the integration of the work experience so that there is a strong connection between theory and practice, study and work, academics and experience.

All full-time students in the College of Arts and Sciences who enter in the fall of 1996 and thereafter are required to participate in a six-credit-hour internship experience over two consecutive semesters (INTE 498 and INTE 499) prior to graduation. Students can choose to fulfill the internship work experience during the junior or senior year.

One semester prior to the internship work experience, the “Preparation for Participation” phase of the program must be completed. During this time the student identifies internship goals, personal strengths, weaknesses, skills, interests and values; prepares a professional quality resume; and researches possible internship sites. During the internship work experience, the student registers for INTE 498 and INTE 499. Requirements for completion of these courses are described in the internship course section of this *Catalog.*

Students majoring in nursing, education and music therapy will fulfill the internship requirement through practicum experiences in their major. Participation in an international internship will also satisfy this requirement. However, students who satisfy the internship requirement by a practicum experience or by participation in an international internship must participate in the internship seminars.

Faculty are actively involved in the internship experience. They provide support and guidance to students, design and facilitate seminars and award the final grades for the internship courses.

INTE 299, Exploratory Internship, will be offered through the summer of 1997 for students who entered prior to the fall of 1996. This internship provides an opportunity to explore or investigate possible career directions.

All internships are graded on a Pass-Fail basis. No more than 12 hours of internship credit shall be counted toward the 122 hours required for the bachelor's degree.

Independent studies and directed readings. A mature and academically sound student may, under the direction of a member of the faculty and with the approval of the faculty advisor, undertake directed readings or an independent study of a topic of interest to the student and germane to the student's program of study. This study may take one of several forms, including projects, individual research or directed reading.

To register for an Independent Study or Directed Reading course, the student must submit a course proposal form to the Office of Academic Affairs by the end of the term in which the student pre-registers for the course.

Summer school. The Hayworth College coordinates all day and evening undergraduate summer courses offered at the institution.

Study abroad. In addition to arranging study tours, the International Experience Program office aids students who wish to spend a term, academic year or summer studying abroad. Students may take part in approved programs of study for American students, attend a foreign university or participate in a work/service program such as the Experiment for International Living. Queens is affiliated with the Council for International Educational Exchange, which offers study- and work-abroad programs worldwide. To apply for study abroad, students must have at least a 2.000 average and approval of both the faculty and study-abroad advisors and meet specific requirements of the desired program.

ACADEMIC REGULATIONS

Academic responsibility. While Queens College makes every effort to advise and counsel students on their academic programs and academic requirements, it is the student who is ultimately responsible for fulfilling all requirements for a degree. To help the student enact his or her own responsibility, all academic plans and programs must be approved by the student's faculty advisor.

In general, a student must fulfill the degree requirements and major requirements set forth in the *Catalog* which was current when the student entered Queens. Other academic regulations amended while a student is enrolled at Queens may well be deemed to apply regardless of the policies stated in the *Catalog* of entry. Further, curricular exigencies or other circumstances may require the College to modify degree or major requirements from those at entry and that right is reserved.

The Honor Code. Because the Honor Code of Queens College applies to all phases of life at the college and is binding on all members of the college community, it provides an atmosphere of mutual trust among students, faculty and administration. The Honor Code is fully described in the "Student Life" section of the *Catalog.*

Academic advising. Each student in the College of Arts and Sciences is assigned upon entry a faculty advisor who normally serves the student until the major is declared, at which point the student selects an advisor in the major department. It is the student's responsibility to schedule advising appointments as often as necessary in order to plan course schedules for each term and to discuss current academic questions and problems. The faculty advisor is a resource and a guide in planning and meeting all graduation requirements.

Course load. The regular academic year at Queens consists of two 14-week semesters, Term I and Term II. The college offers a summer term for those who wish to enroll. The normal load for all students is from 12 to 18 credit hours in Term I and Term II. A student must have special permission from the faculty advisor to register for an overload.

Part-time students. Students who are enrolled in fewer than 12 semester hours in Term I or Term II are considered part-time students. Part-time degree-seeking students in the College of Arts and Sciences who have not previously earned a baccalaureate degree must fulfill all degree and major requirements for their selected program of study. Part-time students are encouraged but not required to complete the Liberal Learning program. If they do not, they must have credit for the Liberal Learning sequence of courses as described in the Liberal Learning Substitutions section of this *Catalog* on page 61, either through transfer credit or by taking the substituted courses at Queens.

Transfer students. Transfer students must meet all degree requirements, including the stipulation that at least 45 of the 122 semester hours must be completed at Queens. The registrar will supply a complete audit of transferred credit and its applicability to Queens graduate requirements, with the exception that the Liberal Learning Steering Committee will advise the registrar about how courses taken elsewhere may substitute for portions of the Foundations of Liberal Learning Program.

In general, transfer students enter the Liberal Learning program at the appropriate class-level standing for the hours of credit transferred. See the "Foundations of Liberal Learning Program Regulations" section of this *Catalog* for details concerning use of the

Table of Substitutions to evaluate transfer credit towards Liberal Learning courses.

Transfers between CAS and Hayworth College. Students are admitted either to the College of Arts and Sciences or to the Hayworth College; admission is not transferable. However, a student dismissed from either college is dismissed from all Queens College programs until readmitted.

A student may apply to transfer from the Hayworth College to the College of Arts and Sciences or the reverse after completing at least one term in the college of entry, provided that the student has earned a minimum cumulative grade-point average of 2.000 at Queens College and is not on any type of academic or social probation. A student who wishes to change colleges must apply to the Office of Admissions.

At a minimum, students must complete 30 hours of the residency requirement in the college to which they transfer and complete all of the graduation requirements of that college. Students may not earn a major or minor which is not offered in the college into which they transfer.

Second-degree students. Students who hold an undergraduate degree, either from Queens or from another accredited institution, may seek a second degree provided it is a different baccalaureate degree from the first earned. Such students must meet all degree requirements stipulated for transfer students except that the residency requirement is 30 semester hours rather than 45. Queens College graduates who wish to add a second major within the same baccalaureate degree may do so by fulfilling the requirements for that major as stipulated in the *Catalog* for the year of re-entry to Queens.

Special students. Special students are admitted to the college without the expectation that they will earn a degree. Special students who have never earned a bachelor's degree may enroll for a cumulative total of 15 credit hours; in order to continue at Queens they must apply for regular admission or receive special permission to continue. A special student who has earned a bachelor's degree may take unlimited credits as a special student. All special students must comply with all college regulations.

Transient or contract students. These students are degree candidates at another college or university who are taking courses at Queens by special arrangement.

Consortium students. Degree-seeking students at the 13 area colleges which make up the Charlotte Area Educational Consortium may enroll in a course in any one of the member institutions during the regular academic year.

Class attendance. In general, students are expected to attend all class sessions. Specific policies are set for each course by individual faculty members and should be printed in the syllabus or announced at the beginning of the term. It is the student's responsibility to know the attendance policy in a particular course.

A faculty member will, if possible, allow a student to make up or complete academic assignments when the student misses class because of illness, or when representing the college at an official college function or for other justifiable reasons. However, it is the student's responsibility to notify the professor of such absences, preferably in advance, but surely in a timely fashion. This notification must be in writing.

It is a violation of the Honor Code for a student to be untruthful about a class absence. Students are also honor-bound to report any such suspected violations of the Honor Code.

The Office of Academic Affairs, the Office of Student Development and the Student Health Center may not excuse students for class absence. Those offices will, however, notify faculty members upon request when illness or grave circumstances beyond a student's control will necessitate a class absence.

Grading. Queens uses the following system of grades and grade-point values per credit hour:

Grade	Interpretation	Grade-Point Value
A	Superior	4.000
A-		3.700
B+		3.500
B	Good	3.000
B-		2.700
C+		2.500
C	Satisfactory	2.000
C-		1.700
D+		1.500
D	Poor	1.000
F	Fail	0.000
P	Pass	(0)
NR	No Record	(0)
AU	Audit	(0)
W	Withdrew	no effect on grade points
I	Incomplete	may become another letter grade except W upon completion.

K Given at end of first term of a two-term course. Indicates satisfactory progress. Replaced by letter grade upon completion of second-term course. No effect on grade points.

Grade reports are sent to students at the end of each term. Mid-term reports are issued in Terms I and II to indicate special difficulties in course work in progress. Only final course grades are permanently recorded.

Pass/No Record. Pass/No Record (P/NR) is a grading system designed to encourage students to explore new areas. Students may elect to take up to two courses per academic year on a "P/NR" basis, but may take no more than one course per term on the "P/NR" basis. Some courses are designated "P/NR" for all students. Other courses may not be taken "P/NR." A student may not take Liberal Learning courses or other courses used to satisfy specific graduation requirements or courses in the major or minor program on a "P/NR" basis without special permission from the department and the Office of Academic Affairs. The grade of "P" is recorded when a student earns a grade of C- or better in the course. If a student earns a D+, D or F, the "NR" designation is used. An "NR" differs from an F because it is not recorded on the student's permanent academic record and is not counted in the calculation of the student's cumulative grade-point average.

Students must indicate at registration when a course is to be taken "P/NR." They may change to a regular graded basis in consultation with the registrar up to one week following midterm.

Pass/Fail. Pass/Fail is the grading system used for special course offerings including internships and the International Experience study tours. The grade of "P" is recorded when a student earns a grade of C- or better in the course. An F is recorded when the work is unsatisfactory. "P/F" differs from "P/NR" in that Fs are recorded on the student's permanent academic record, while NRs are not.

Incomplete status. The grade of Incomplete (I) is given at the discretion of the instructor and only when unusual circumstances make it impossible for the student to complete the course work by the end of the term. Students are responsible for arranging to complete such work. A grade of "I" received during Term I must be changed to another letter grade by the end of the second full week of regular classes of Term II; an "I" received during Term II or Summer Term must be changed to another letter grade by the end of the second full week of regular classes of Term I.

However, a student on academic probation who receives an "I" must complete the course work and receive a regular letter grade at least 48 hours prior to registration for the subsequent term.

A grade of "I" automatically becomes an F if the student fails to make up incomplete work satisfactorily by the above deadlines.

Repeated courses. If students fail a course, they may repeat that course only once, either at Queens or at another accredited institution with prior approval of the appropriate department chair. The F grade will remain on the student's record. If the course is repeated at Queens, both the F and the second grade will be figured into the student's cumulative grade-point average. If the course is repeated at another institution, the credit but not the grade will transfer; thus only the original F will be figured into the cumulative average.

A student also may elect to repeat a course after earning a D, D+ or C- in order to demonstrate mastery of the material. In this case, the first grade will remain on the student's average and will be the only grade figured into the cumulative average; no additional hours of credit will be awarded.

In either case, a course may be repeated only once, either at Queens or at another accredited institution. No more than two courses in the student's major field may be repeated. Regular tuition is charged for all repeated courses.

A student may also repeat a course for credit if the course is listed as "may be repeated for credit." In that case, all grades and credit hours are included in the student record.

Class status. Students are assigned class status according to the number of credit hours earned. A freshman has earned from 0 to 23 credit hours. A sophomore has earned 24 to 51 credit hours. A junior has earned 52 to 89 credit hours. A senior has earned 90 or more credit hours.

Dean's List. Degree candidates who achieve a term average of 3.500 in at least 12 hours of graded academic work are named to the Dean's List. Students with an Incomplete grade will not be considered for the Dean's List. Courses in which the grade of "P" is earned or courses numbered 099 may not count towards the 12-hour minimum.

Honors at graduation. The distinctions *summa cum laude*, *magna cum laude* and *cum laude* are awarded by the College for academic excellence. *Summa cum laude* is awarded to students who have a grade-point average of 3.850 or better, *magna cum laude* to those with a grade-point average of 3.650 and *cum laude* to those with a grade-point average of 3.500. A student must have completed at least 60 hours at Queens College to be eligible for graduation with honors. The grade-point average will be determined by work taken at Queens.

Eligibility to represent the College. Students who are on academic probation, on social probation for six weeks or longer or suspended from a class or from the college are not eligible to represent the college in off-campus extracurricular activities, to participate in varsity athletics, to hold campus office or to run for campus office until the probation or sanction is lifted.

Registration. Pre-registration advising and advanced registration are held toward the end of each term. During these periods, students consult with their advisors to plan the schedule of courses they plan for the next term and submit a preliminary program of study to the Registrar.

Registration is held at the beginning of each term. At that time, students confirm their course registrations from advanced registration and conduct other necessary college business, including receiving identification cards and parking permits. Students are not considered registered at Queens College until the registration process, including payment of tuition and fees, has been completed.

Change in registration or drop/add. Courses may not be added or dropped on registration day. Changes in registration may be made during the first calendar week of classes at the beginning of each term. The advisor's signature is required on the drop/add form. If the form is returned to the Office of the Registrar by the deadline, courses dropped will not appear on the student's permanent record. For part-time students, tuition charges for courses dropped during the change in registration period will be prorated according to published guidelines.

Withdrawal from a course. After the drop/add period, a student may withdraw from a course by completing a withdrawal form which requires the signature of the advisor. The forms are available in the registrar's office. The withdrawal period ends at the end of the calendar week following the midterm point in each term. The withdrawal date is published in each term calendar. A status of "W" will be recorded if the student withdraws during the withdrawal period.

After the withdrawal period ends, the student may withdraw from a course only by requesting approval for a late withdrawal from the Student Qualifications Committee. The Student Qualifications Committee may, after consultation with the instructor, deny or approve the request for late withdrawal. If the late withdrawal is approved, a status of W will be recorded.

A student who does not withdraw from a course but simply stops attending will receive an F in that course.

Auditing courses. A student enrolled in 12 to 16 credit hours and maintaining a cumulative grade-point average of 3.000 or better may, with the consent of the instructor and the registrar, audit a course. The student receives no credit for an audited course, but the grade "AU" will appear on the student's transcript. Drop/Add and course withdrawal policies apply to audited courses and auditors are expected to attend class regularly. Regular tuition charges apply.

Courses taken at other institutions. Normally, Queens students may take courses at another accredited institution for credit at Queens either in the summer or a regular term provided that these courses are equivalent or supplemental to those offered at Queens. To receive credit for such transferred courses, students must have the prior permission of the appropriate department and division chairs, must make a grade of C or better in each course and must have the other institution send an official transcript of the work to the Registrar. A student's cumulative GPA is not affected by course credit earned at another institution.

Queens students, if qualified, may enroll at one of the other colleges which make up the Charlotte Area Educational Consortium in any course not offered at Queens and receive full credit towards the Queens degree without the payment of additional fees. Arrangements for consortium cross-registrations are made through the Registrar's office. See pages 7 and 8 for a list of consortium institutions.

The natural science graduation requirement may not be satisfied by credit earned at another institution except as transfer credit earned prior to admission to Queens.

FOUNDATIONS OF LIBERAL LEARNING PROGRAM REGULATIONS

All full-time candidates for all degrees in the College of Arts and Sciences must successfully complete the Liberal Learning sequence of five courses. The courses should be taken in sequence. They must always be taken for a letter grade.

Because the Liberal Learning program is an integrated experience, there are no courses offered at Queens or elsewhere that are precisely equivalent to the courses in the sequence. However, in cases of necessary exception to policy, students may find it necessary to complete a bachelor's degree program with approved substitution courses.

LIBERAL LEARNING SUBSTITUTIONS

Liberal Learning 110-120

Three courses — one each from Areas 1, 2, and 3 as listed below — substitute for LLRN 110 and 120.

◆ If a student does not have credit for a course from Areas 1, 2, or 3, the student would complete LLRN 110 and 120 **or** a combination of LLRN 110 or 120 and one course **or** three courses, one each from different areas.

◆ If a student has completed one course from one of the areas, the student would complete LLRN 120 **or** two courses (from different areas).

◆ If a student has completed two courses from two of the areas, the student would complete LLRN 120 **or** one course (from the remaining area).

Area 1: One course dealing with individual development and personality, or an individual's relationship to society, e.g., general psychology, sociology, anthropology. Some examples of Queens courses to substitute for this area: PSYC 201, SOCI 203, SOCI 308. Other courses may also be approved.

Area 2: One course dealing with critical thinking, e.g., a laboratory science, logic. Some examples of Queens courses to substitute for this area: BIOL 103, CHEM 101 and 101L, ENVR 101, PHIL 204. Other courses may also be approved.

Area 3: One course dealing with fine arts appreciation or European history. Some examples of Queens courses to substitute for this area: ART 215, MUSC 100, HIST 201. Other courses may also be approved.

Liberal Learning 210-220

Three courses from Areas 1 and 2 as listed below (at least one from each area is required), substitute for LLRN 210 and 220.

◆ If a student does not have credit for a course from either of the areas, the student would complete LLRN 210 and 220 **or** a combination of LLRN 210 or 220 and one course **or** three courses (at least one course from each area is required)

◆ If a student has completed one course from one of the areas, the student would complete LLRN 210 or 220 **or** two courses (from different areas)

◆ If a student has completed two courses from two areas, the student would complete LLRN 210 or 220 **or** one course (from either area)

Area 1: One course which is "American" based, e.g., American literature, music, history or politics. Some examples of Queens courses to substitute for this area: HIST 203, ENGL 328, POLS 201, MUSC 207, ART 307. Other courses may also be approved.

Area 2: One course which has an international emphasis, e.g., world geography, world religion, anthropology, macroeconomics. For examples of Queens courses to substitute for this area, see courses listed for the international studies major. Other courses may also be approved.

Liberal Learning 410

There are no substitutions for LLRN 410.

When a student transfers to Queens as a full-time student, the registrar will determine the student's class status. The student will then begin the Liberal Learning sequence at the point appropriate for that status. In addition, however, the registrar will determine whether or not the incoming student's transcript includes sufficient courses as measured by the list of substitutes for the Liberal Learning courses. Students who lack sufficient substitutes may either take the Liberal Learning courses or make up the past deficiencies with appropriate substitute courses.

If a student fails a Liberal Learning course or is unable to complete a course for sound reasons beyond the student's control, the student normally has the option of taking the course over or passing appropriate substitutes. In each such case, the Liberal Learning Steering Committee will examine the student's transcript and approve a particular and appropriate course of action.

Part-time, degree-seeking students who have not previously earned a baccalaureate degree are encouraged but not required to participate in the program. Should part-time students elect not to complete the courses in the Liberal Learning sequence, they must complete the courses as listed in the Liberal Learning Substitutions in order to receive the bachelor's degree. Students who change from part-time to full-time must begin the Liberal Learning sequence at the point appropriate to class status at that time.

STUDENT QUALIFICATIONS

The faculty has established standards of satisfactory academic progress which are administered by its Student Qualifications Committee. This committee reviews the academic record of each full-time student in academic difficulty at the end of Term I and Term II and at the end of Summer Term if the student earned nine credit hours at Queens.

Academic probation and dismissal. A student whose cumulative grade-point average falls below the following levels for each class standing is placed on academic probation:

Class Status	Earned Hours	Minimum GPA
Freshman	0-12	1.500
	13-23	1.800
Sophomore	24-37	1.800
	38-51	1.900
Junior	52-70	1.900
	71-89	2.000
Senior	90 or more	2.000

However, students who have a term grade-point average below 1.000 will be subject to dismissal or placed on probation after a review of their records by the Student Qualifications Committee.

Students on academic probation may not enroll in more than 15 credit hours in any one term.

Students on probation will be reviewed at the end of each term, including summer term, in which they have earned nine credit hours. Students on probation will be declared academically ineligible to return if they do not earn a term grade point average of 2.000 at the time of review. If the cumulative grade point average is not commensurate with class status, they will be continued on probation for one more term or will be dismissed.

Students have the right to present a written appeal concerning academic dismissal to the Student Qualifications Committee. The decision of the committee in regard to the appeal is final.

The Student Qualifications Committee will review the records of part-time and special students after nine semester hours. Part-time students must maintain cumulative averages commensurate with their class status. Special students must maintain a cumulative average of 2.000.

Readmission. Students dismissed from the college for academic reasons may apply for readmission through the Student Qualifications Committee. Students applying for readmission must submit (1) a readmission application (available from the Office of Admissions), (2) transcripts for all academic work attempted since leaving Queens and (3) a personal statement concerning the student's goals and accomplishments since leaving Queens. Academic work submitted for readmission must include at least nine graded semester hours (or the equivalent) in one term from an accredited institution. Each grade for the courses taken must be C or better.

A student readmitted to the College is normally placed on academic probation and reviewed after the first term.

WITHDRAWAL FROM THE COLLEGE

Students who wish to withdraw from the College during the term or who do not plan to return for the subsequent term must formally withdraw through the Office of Academic Affairs. The student is asked to participate in an exit interview with an appropriate member of the staff of the College. Students who withdraw during the term must also take responsibility for receiving clearance from the Business Office, Financial Aid Office and Student Development Office concerning financial matters. The effective withdrawal date is the day upon which all required clearance signatures are obtained. Should a student be unable for grave reasons beyond his or her control to complete this process, the effective date of withdrawal is determined by the director of the College of Arts and Sciences and a representative of the Business Office.

A student who simply stops attending classes without proper notification will be assigned the grade of F in all courses.

With the endorsement of the academic advisor, a student in good standing may apply for a leave of absence for one or two academic terms. Approval for a leave of absence may be granted for medical or personal reasons, in order to enroll in an off-campus academic program or for other experiences which support the student's program of study. Students on leave will receive registration and housing materials from Queens prior to the term of return. Students returning from approved leaves may resume degree and major programs in effect at the time the leave is approved.

The college reserves the right to require at any time the withdrawal of any student whose conduct or academic work is not considered satisfactory.

ACCESS TO RECORDS

In accordance with the Family Educational Rights and Privacy Act of 1974, Queens College permits students to inspect their records whenever appropriate and to challenge specific records when they feel it necessary to do so. The following information about each student is considered "directory information" and is public: full name, local address, home address, telephone number, date of birth, major field of study, dates of attendance at Queens College, class year, degrees, honors and awards received, participation in officially recognized college activities and student organizations, parents' or guardians' names and religious affiliation.

This information may be released or published without the student's consent. However, students who do not wish this information, or any part of it, to be released or made public may inform the Registrar's Office, in writing, within 10 days after registration for each term. The registrar will notify other college offices of such requests. Students should understand that if they withhold directory information, it will not be released to anyone unless the health or safety of an individual is involved. It is the policy of Queens College to refuse to release information to private firms for use in mailing lists.

Queens College recognizes that the Family Educational Rights and Privacy Act of 1974, as amended, does not intend to exclude release of information regarding dependent students' academic progress/grades to their parent/guardian if such information is requested. Queens College also recognizes the student's right to specify that information regarding academic progress/grades not be released to parent/guardian. Written notification must be made to the registrar.

Records of progress. The college maintains records of progress on both veteran and non-veteran students. Progress records are furnished to all students at the end of each scheduled academic term.

DIVISIONS OF THE COLLEGE OF ARTS AND SCIENCES

Hugh L. McColl Jr. School of Business

Sidney C. Adkins, Dean, Associate Professor of Business Administration
Ronald E. Bassett, Associate Professor of Organizational Communication
Bradley W. Brooks, Assistant Professor of Business Administration
Timothy E. Burson, Assistant Professor of Economics
Robert L. Finley, Dana Professor of Business Administration
James W. Foster Jr., Assistant Professor of Business Administration
Catherine A. Haselden, Billy O. Wireman Associate Professor of Business Administration
Randall R. Kincaid, Professor of Economics
H. Allen Maynard, Associate Professor of Business Administration
Roger R. McGrath, Associate Professor of Business Administration
Donald L. Wallace, Associate Professor of Business Administration

Division of Fine Arts

Robert F. Porter, Chair, Professor of Art
Richard F. Crown, Associate Professor of Art
David H. Evans, Associate Professor of Music
James H. Glenn, Associate Professor of Music
Jayne Johnson, Associate Professor of Art
Alisa J. McCain, Instructor of Music
Frances J. McClain, Livingstone Professor of Music
Paul A. Nitsch, Carolyn G. McMahon Associate Professor of Music and Artist-in-Residence

Division of Humanities

Richard T. Goode, Chair, Carolyn G. and Sam H. McMahon Jr. Professor of English
Cathy S. Bowers, Instructor of English and Poet-in-Residence
Deborah N. Campbell, Instructor of English
Thomas P. Cole, Assistant Professor of History
Mollie C. Davis, Professor of History
J. Norris Frederick, Assistant Professor of Philosophy
Charles O. Hadley, Dana Professor of English
Jane H. Hadley, Associate Professor of English (Drama)
Michael J. Kobre, Associate Professor of English

Eric J. Lien, Assistant Professor of Foreign Languages (French)
Dorothy H. McGavran, Assistant Professor of English
J. Diane Mowrey, Associate Professor of Religion
Charles M. Reed, Professor of History
Emily Seelbinder, Associate Professor of English
Michele M. Shaul, Associate Professor of Foreign Languages (Spanish)
Karen D. Shearer, Instructor of Communications
William A. Thompson, Professor of History
Wendy L. Waite, Assistant Professor of Communications
Robert W. Whalen, Carolyn G. and Sam H. McMahon Jr. Professor of History

Faculty march in the annual Baccalaureate Program.

Division of Natural Sciences and Mathematics

Virginia L. Martin, Chair, Carolyn G. and Sam H. McMahon Jr. Professor of Biology
Dimitra D. Acheson, Assistant Professor of Chemistry
Rebecca C. Jann, Dana Professor of Biology
Jimmie C. Oates, Professor of Physics
Linda F. Potts, Instructor of Biology
Joan E. Quinn, Associate Professor of Mathematics
R. Kent Rhodes, Associate Professor of Biology

Michael A. Tarabek, Assistant Professor of Mathematics
W. Andrew Tucker, Assistant Professor of Chemistry

Division of Nursing

Joan S. McGill, Chair, Professor of Nursing
Carlene H. Fulk, Associate Professor of Nursing
Mary Jo Gilmer, Assistant Clinical Professor of Nursing
M. Beth Martin, Instructor of Nursing
Peggy L. Payne, Associate Professor of Nursing
Ruth E. Stephenson, Assistant Professor of Nursing

Division of Social Sciences and Education

Christine L. Allegretti, Chair, Professor of Psychology
Chrystle L. Baker, Instructor of Physical Education
M. Cherie Clark, Assistant Professor of Psychology
Suzanne M. Degni, Associate Professor of Education
Joyce A. Eckart, Associate Professor of Education
Loren E. Fauchier, Associate Professor of Political Science
Janice L. Ginger, Associate Professor of Education
Mark A. Kelso, Assistant Professor of Political Science
Phyllis A. Pharr, Associate Professor of Physical Education

COURSES OF INSTRUCTION

Course listings. Course listings give general information concerning each area of study and the requirements for major programs in each discipline. These requirements should be noted carefully by students when deciding on a major.

Many of the courses in the sections beginning on the next page will be listed in the class schedule that is distributed prior to each term.

Course numbers. In general, courses numbered 100-299 are primarily for freshmen and sophomores; those numbered 300-499 are primarily for juniors and seniors. In specific cases, however, the individual student's ability and background rather than class standing will determine the appropriate level of work.

Double numbers separated by a comma (e.g. 300, 302) indicate that the completion of both courses forms a desirable unit. Occasionally the first course is a prerequisite to the second.

Course changes. Queens College reserves the right to change the course offerings and instructors indicated in the *Catalog* without prior notice to persons who may thereby be affected. Every effort is made to help a student affected by a course change by providing the opportunity for an independent study or some other suitable arrangement.

ART

The Department of Visual Arts offers varied programs leading to the Bachelor of Arts degree. The curricula are designed to prepare students for graduate study, teaching, museum work and professional careers in art and design areas. Studio experiences are balanced with courses in art history and the liberal arts to strengthen the humanistic base of the programs. The essential aim of the programs is to develop intellectual and performance abilities and assure a sound foundation for further development of the student, or for his or her entry into a professional field.

Major. Students may earn a Bachelor of Arts degree in art major — studio track or art major — art history track.

Requirements for the B.A. degree with an art major-studio track are:
ART 101 Introduction to Art
ART 104 Drawing
ART 132 Design
ART 215 Ancient to Early Renaissance Art
ART 216 High Renaissance Art to the Present Time
Choose three of the following studio art courses:
ART 202 Painting
ART 203 Sculpture
ART 205 Printmaking
ART 223 Ceramics
Choose one of the following art history courses:
ART 307 Art in the United States
ART 315 Art of the Modern Era, 1870 to the Present
ART 345 Art and Religion in the West
ART 415 Art Since 1945
Plus:
ART 305 Advanced Studio (to be taken 3 times)

Requirements for the B.A. degree with an art major-art history track are:
ART 101 Introduction to Art
ART 215 Ancient to Early Renaissance Art
ART 216 High Renaissance Art to the Present Time
ART 307 Art in the United States
ART 315 Art of the Modern Era, 1870 to Present
ART 345 Art and Religion in the West
ART 415 Art Since 1945
ART 498 Senior Paper
Two studio art courses chosen from:
ART 104 Drawing
ART 132 Design
ART 202 Painting
ART 203 Sculpture
ART 205 Printmaking
ART 223 Ceramics
ART 227 Photography
Writing-intensive course requirement. The writing-intensive course requirement is met with Art 305.

ART 101 Introduction to Art
Designed for the student with little or no art experience who wishes

to gain understanding of the language of art (composition, line, space, color, etc.) and art's significance in human terms. Involves slide presentations and classroom discussions. *3 Hrs.*

ART 104 Drawing

Emphasis on drawing through close observation of nature and as an expressive medium for communicating felt responses to subject matter. Exercises in contour, gesture, modeled form and light, using still life, landscape and the human figure. Media to include pencil, charcoal and ink. Six hours studio a week. *3 Hrs.*

ART 132 Design

This course addresses the principles of design, both two- and three-dimensional. Students will be introduced to theories of design, as well as to practical applications in individual "hands-on" projects. *3 Hrs.*

ART 202 Painting

Studies in basic structure and color with emphasis on pictorial elements interpreted through painting media. Six hours studio a week. Prerequisites: Art 104, 132. *3 Hrs.*

ART 203 Sculpture

Exploration of basic elements of three-dimensional form and space with special emphasis on the exploration of various styles, materials and techniques. Six hours studio a week. Prerequisite: Art 134. *3 Hrs.*

ART 205 Printmaking

Exploration of the basic principles of printmaking through such media as wood cuts, linoleum cuts or serigraphy. Pictorial composition, sound procedure and techniques are stressed in the program. Six hours studio a week. *3 Hrs.*

ART 215 Ancient to Early Renaissance Art

Survey of stylistic developments in architecture, sculpture, painting and the minor arts of the Mediterranean and European countries from prehistoric times to approximately 1500 A.D. *3 Hrs.*

ART 216 High Renaissance Art to the Present Time

Survey of stylistic developments in architecture, sculpture, painting and the minor arts of Europe and America from approximately 1500 to the present day. Prerequisite: Art 215 or permission of the instructor. *3 Hrs.*

ART 223 Ceramics

Fundamentals of both hand building and throwing on the potter's wheel. Hand-building techniques will include pinch, coil and slab construction. Glaze instructions will stress the relationships between form and color. Six hours studio a week. *3 Hrs.*

ART 227 Photography

Photography used as an expressive medium and as a tool for exploring visual experience. Emphasis will be on selection and treatment of subject matter. Students will learn necessary skills in photographic technique and be acquainted with the historical development of photography. Six hours studio a week. *3 Hrs.*

ART 305 Advanced Studio

This course permits advanced individual exploration of techniques and principles introduced in the 200-level introductory studio courses. The focus varies from semester to semester between two- and three-dimensional approaches, with occasional thematic topics such as the human figure, still-life, collage/montage/assemblage, etc. Prerequisite: one studio course from Art 202, 203, 205, or 223. May be repeated for a total of four times. *3 Hrs.*

ART 307 Art in the United States

Study of the architecture, sculpture, painting and minor arts of the Colonial period through the present, supplementing courses in American social and political history. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 315 Art of the Modern Era, 1870 to the Present

Critical examination of major trends in the visual arts from c. 1870 to the present, within the context of developments in science, philosophy, religion, politics, etc. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 329 Photography II

Further investigation of photography as a creative medium and advanced photographic techniques. Six hours studio a week. Prerequisite: Art 227. *3 Hrs.*

ART 345 Art and Religion in the West

Critical examination of the visual arts as embodiments of major theological developments from c. 320 A.D. to the present. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 406 Special Topics in Studio Art

An in-depth study of the specialized areas not included in the curriculum. Topics to be announced annually. Prerequisite: To be determined according to the nature of the topic. *1, 2 or 3 Hrs.*

ART 407 Topics in Art History

Focus on specific questions of style, traditions and influence as they relate to the emergence and development of art in Europe and America. Topics to be announced annually. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 415 Art Since 1945

Critical examination of the visual arts since World War II, and of their responses to the radical reformulations of philosophical, religious, economic and social attitudes. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 451 Independent Studio

Advanced independent work in specialized areas of studio art for the mature, academically advanced student. Open to juniors and seniors with a B average in art and the approval of the department. This course may be repeated for a total of six hours of credit. *1, 2 or 3 Hrs.*

ART 452 Independent Study in Art History

Advanced independent work in specialized areas of art history for the mature, academically advanced student. Open to juniors and seniors with a B average in art and approval of the department. The course may be repeated for a total of six hours of credit. *1, 2 or 3 Hrs.*

ART 498 Senior Paper

This capstone course consists of an independent exploration of interactions between the student's major and the chosen concentration. The specific topic is to be selected by the student in consultation with his/her advisor. Prerequisite: Senior status. *3 Hrs.*

BIOLOGY

To serve the needs of the liberal arts student the department offers introductory work in biology with a contemporary molecular emphasis relating the field to the physical sciences and other disciplines. A course in marine science is offered in alternate years.

Careers. Major study in biology provides basic preparation leading to work in research and medical laboratories, government positions, related businesses, teaching and graduate study in biology, medicine, dentistry, physical therapy or veterinary medicine.

Teacher certification. Students majoring in biology may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Catalog* for specific requirements.

Writing-intensive course requirement. The writing-intensive course requirement is met with one course chosen from Biology 300, 304, 402 or 403.

Prerequisite. Biology 103 is prerequisite to all courses numbered 200 or above.

Requirements for the B.A. degree with a major in biology are:

Core:
BIOL 103 Principles of Biology
BIOL 201 Invertebrate Zoology
BIOL 202 Vertebrate Zoology
BIOL 204 Botany
BIOL 300 Cell Biology
BIOL 402 Genetics
BIOL 460 Biology Seminar
BIOL 496 Senior Biology
Choose 12 hours from the following:
BIOL 207 Introduction to Microbiology (as approved by advisor)
BIOL 230 Field studies in biology
BIOL 304 Ecology
BIOL 309 Marine Biology
BIOL 315 Histology
BIOL 380 Research Participation
BIOL 401 Comparative Physiology
BIOL 403 Developmental Biology
BIOL 430 Topics in Biology
BIOL 450 Independent Studies in Biology
Plus Mathematics/Chemistry Concentration:
CHEM 111, 111L Chemistry Principles I & Lab
CHEM 112, 112L Chemistry Principles II & Lab
Choose two of the following:
MATH 105 Finite Mathematics
MATH 111 Precalculus
MATH 121 Calculus I
MATH 122 Calculus II
MATH 206 Statistical Methods

Requirements for the B.S. degree with a major in biology are:

Core:

BIOL 103	Principles of Biology
BIOL 201	Invertebrate Zoology
BIOL 202	Vertebrate Zoology
BIOL 204	Botany
BIOL 300	Cell Biology
BIOL 402	Genetics
BIOL 460	Biology Seminar
BIOL 496	Senior Biology

Choose 12 hours from the following:

BIOL 207	Introduction to Microbiology
BIOL 230	Field Studies in Biology
BIOL 304	Ecology
BIOL 309	Marine Biology I
BIOL 310	Marine Biology II
BIOL 315	Histology and Microtechnique
BIOL 380	Research Participation
BIOL 390	Laboratory Assistant in Biology
BIOL 391	Laboratory Assistant in Biology
BIOL 401	Comparative Physiology
BIOL 403	Developmental Biology
BIOL 430	Topics in Biology
BIOL 450	Independent Studies in Biology
BIOL 499	Biology Professional Internship

Plus Physical Science I Concentration:

CHEM 111, 111L	Chemistry Principles I & Lab
CHEM 112, 112L	Chemistry Principles II & Lab
CHEM 303, 303L	Organic Chemistry I & Lab
CHEM 304, 304L	Organic Chemistry II & Lab
PHYS 101	General Physics
PHYS 102	General Physics
MATH 121	Calculus I

Choose one:

MATH 122	Calculus II
MATH 206	Statistics

Note: Language proficiency through intermediate level as demonstrated by the completion of a language 201 or 202 course or by testing is highly recommended.

Natural science requirement. The Natural Science requirement is met with Biology 103. Students receiving advanced placement may satisfy the Natural Science requirement with a laboratory course at the 200 level or above.

Prerequisite. Biology 103 is prerequisite to all courses numbered 200 or above.

BIOL 103 Principles of Biology
An introduction to the principles underlying the activities of living organisms; cell structure and function; heredity; evolution; ecology; laboratory emphasizes the scientific method. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: High school chemistry or Chemistry 101 or 111. *4 Hrs.*

BIOL 111 Human Anatomy
A study of the structure of the human body. May not count toward a major except in Music Therapy and Nursing. No prerequisite. *3 Hrs.*

BIOL 111L Human Anatomy Laboratory
Study of human osteology; dissection of the cat and other mammalian organs. Three hours laboratory a week. Lab Fee $25. May not be counted toward a major except for students in Music Therapy and Nursing. *1 Hr.*

BIOL 112 Human Physiology
A study of the functions of the human body. Laboratory study designed to demonstrate basic physiological principles. Three hours lecture and three hours laboratory a week. May not count toward a major except in Nursing. Prerequisite: Chemistry 101; Biology 111 is strongly recommended. Lab fee $25. *4 Hrs.*

BIOL 120 Introduction to Medical Microbiology
Principles of microbiology with emphasis on the pathogenic bacteria, viruses, rickettsiae and fungi. Laboratory includes methods for cultivation, isolation and identification of the above. Three hours lecture and three hours laboratory a week. Lab fee $25. May not be counted toward a major except in Nursing. *4 Hrs.*

BIOL 201 Invertebrate Zoology
Study of the invertebrate phyla; comparative anatomy and physiology, natural history, systematics and evolution. Laboratory includes physiological experiments and emphasizes structure and taxonomy. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 103. *4 Hrs.*

BIOL 202 Vertebrate Zoology
A survey of vertebrate phyla with comparative study of structures and their development and evolution. Laboratory includes dissection of

vertebrates and microscopic study of embryological structures. Lab fee $25. Prerequisite: Biology 103. *4 Hrs.*

BIOL 204 Botany

Morphological survey of algae, fungi and plants, emphasizing evolutionary adaptation and identification of local flora. Two hours of lecture and four hours of laboratory a week. Prerequisite: Biology 103, Liberal Learning 210. *4 Hrs.*

BIOL 207 Introduction to Microbiology

General survey of microorganisms with emphasis on morphology, metabolism, ecology and identification of bacteria. Laboratory emphasizes basic skills and sterile techniques. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 103, Chemistry 111. *4 Hrs.*

BIOL 230 Field Studies in Biology

Includes studies in selected habitats or of particular groups of animals or plants, or travel-study to unusual habitats or ecosystems. Topics are announced in advance. May be repeated with different topics. Prerequisite: Biology 103 or permission of the instructor. *1-4 Hrs.*

BIOL 300 Cell Biology

Study of cell structure and physiology. Laboratory emphasizes research methods, including instruments and techniques used in studying cells. Three hours lecture and three hours laboratory a week. Lab fee $25. This course fulfills the writing-intensive course requirement. Prerequisite: Biology 103, 201, 202, at least one year of college chemistry (Biology 204 recommended). *4 Hrs.*

BIOL 304 Ecology

Relationship of organisms to their environment; populations and communities; aquatic and terrestrial habitats; statistical methods. Laboratory includes both experimental and field studies. Three hours lecture and three hours laboratory a week. Lab fee $25. This course fulfills the writing-intensive course requirement. Prerequisite: Biology 103. Also recommended Biology 201, 202 and 204. *4 Hrs.*

BIOL 309 Marine Biology I

Introduction to oceanography and marine biology emphasizing the ecology, distribution and classification of marine organisms. Two hours lecture and three hours laboratory a week; weekend field trip. Lab Fee $25. Prerequisite/corequisite: Biology 103, 201. *3 Hrs.*

BIOL 310 Marine Biology II

An intensive study of costal habitats; identification of local fauna and flora. This course meets for one week during the summer session. Prerequisite: Biology 309. *1 Hr.*

BIOL 315 Histology and Microtechnique
The study of animal cells, tissues and organs. Laboratory emphasizes practical experience in preparation of microscope slides. Lab fee $25. Prerequisite: Biology 103, 202. *2 Hrs.*

BIOL 380 Research Participation
An introduction to biological research by participation in research with faculty. Students will conduct individual investigations and present the results of their work at the end of the term. Prerequisite: Biology 103 and permission of the instructor. *3 Hrs.*

BIOL 390, 391 Laboratory Assistant in Biology
Practical experience as a laboratory assistant in the department. May be repeated once for credit. Grading is P/NR. Prerequisite: 12 hours of biology with a grade of B or better and permission of the department. *0 Hrs.,1 Hr.*

BIOL 401 Comparative Physiology
Study of the function of vertebrate systems. Comparisons made to invertebrate systems where appropriate. Includes lecture and laboratory experimentation. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 103 and 202, Chemistry 112. *4 Hrs.*

BIOL 402 Genetics
Principles of heredity and variation in plants and animals. Does not count toward major without Biology 402L. Three hours lecture a week. This course fulfills the writing-intensive course requirement. Prerequisite: Biology 103; Mathematics 121 or permission of the instructor. *4 Hrs.*

BIOL 403 Developmental Biology
A study of the development of animals set within the framework of classical embryology and current molecular biology. Emphasis will be placed on the molecular events which govern the processes of fertilization, cleavage, gastrulation, organogenesis and pattern formation. The laboratory will highlight experimental approaches to studying development. Lab fee $25. This course fulfills the writing-intensive course requirement. Prerequisites: Biology 103, 201, 202 and Chemistry 112. A corequisite of Chemistry 303 is recommended. *4 Hrs.*

BIOL 430 Topics in Biology
This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles. Lecture and laboratory hours vary with the credit hours and the course taught. Prerequisites: Biology 103 and permission of the instructor; may

vary with topic. *1, 2, 3 or 4 Hrs.*

BIOL 450 Independent Studies in Biology

Research projects in the area of the student's interest; written report and/or oral examination may be required; summer research in marine biology. May be taken more than once, but total credits may not exceed six hours. Prerequisite: Biology 103 and permission of the instructor. *1, 2, 3 or 4 Hrs.*

BIOL 460 Biology Seminar

Invited guests, faculty and students present oral reports on topics of their specific interest and experience in biology and related fields. One hour per week lecture or discussion. May be repeated for credit. Prerequisite: eight hours of biology above the 100 level or permission of the instructor. *1 Hr.*

BIOL 496 Senior Biology-Independent Review

A capstone review and synthesis of basic principles of structure and function in plants, animals and microorganisms; review of principles of population genetics, evolution and ecology. This course is designed to help students prepare for senior and professional examinations. Prerequisite: 24 hours in biology courses and permission of the instructor. Graded P/F. *2 Hrs.*

BIOL 499 Biology Professional Internship

Practical experience under supervision in the field of biological science. Prerequisite: At least 24 credits in biology and permission of the department. *1, 2 or 3 Hrs.*

BUSINESS ADMINISTRATION

The Department of Business Administration offers courses that emphasize the concepts and skills for understanding business practices, organizations and managerial responsibilities.

Majors. The department offers two majors, business administration and accounting and both majors lead to the Bachelor of Arts degree.

Careers. A major in business administration prepares the student for understanding the functional areas of business, human relations in organizations and strategic policy-making issues. There are technical, human relations and conceptual skills related to entering supervisory, managerial or professional careers in business, government or non-profit organizations. A major in accounting prepares people to enter careers in accounting. Both majors prepare people for graduate-level study in accounting, finance, marketing, management and related fields.

Writing-intensive course requirement. The writing-intensive course requirement is met with BUSN 320.

Business Administration Major

Requirements for the B.A. degree with a major in business administration are:

Core:
BCIS 110 Fundamentals of Microcomputers
BUSN 207 Financial Accounting I
BUSN 208 Financial Accounting II
BUSN 305 Business Law I
BUSN 320 Business Ethics
BUSN 333 Principles of Management
BUSN 340 Marketing
BUSN 360 Corporate Finance
BUSN 485 Business Policy
ECON 203 Principles of Macroeconomics
ECON 204 Principles of Microeconomics
MATH 105 Finite Mathematics
MATH 206 Statistical Methods
Plus choose one track.
Track 1:
Complete six hours of 300- or 400-level electives in BUSN or ECON courses
Track 2: *Marketing track*
BUSN 452 Marketing Management
BUSN 453 Marketing Research
Choose two courses:
BUSN 351 Consumer Behavior
BUSN 420 International Business
BUSN 441 Retail Strategy and Management
BUSN 353 Promotion Management
or
COMM 341 Advertising
Track 3: *Computer Information Systems track*
(Note that most BCIS courses are offered at night only)
BCIS 105 Introduction to Information Systems
BCIS 240 Business Applications Programming I
BCIS 480 Systems Analysis, Design and Implementation
Choose one course:
BCIS 250 Business Applications Programming II
BCIS 350 Database Business Applications
BCIS 490 Current Issues in Computer Information Systems

Accounting Major

Requirements for the B.A. degree with a major in accounting are:

Core:
BUSN 207 Financial Accounting I
BUSN 208 Financial Accounting II
BUSN 305 Business Law I
BUSN 333 Principles of Management
BUSN 485 Business Policy
ECON 203 Principles of Macroeconomics
MATH 105 Finite Mathematics
MATH 206 Statistical Methods
Plus Accounting Requirements:
BUSN 307 Intermediate Accounting I
BUSN 308 Intermediate Accounting II
BUSN 311 Cost Accounting
BUSN 313 Auditing
BUSN 315 Business Law II
BUSN 316 Federal Taxation
BUSN 317 Advanced Accounting
Plus Business Administration Concentration II
BCIS 110 Fundamentals of Microcomputers
ECON 204 Principles of Microeconomics
BUSN 320 Business Ethics
BUSN 340 Marketing
BUSN 360 Corporate Finance

Students majoring in business administration or accounting must select at least 48 hours from courses outside the Business Department. Students cannot double major in business administration and accounting.

Students should be advised that several upper-level courses in accounting and computer information systems are offered only in evening sessions.

BCIS 110 Fundamentals of Microcomputers

This course introduces the fundamentals of computing processes, including hardware and software. Business application topics include spreadsheet, database and word processing. *3 Hrs.*

BUSN 115 Introduction to Business

An introduction to each of the principal areas of the business curriculum: accounting, finance, management and marketing, as well as the role of business in American society and the nature of the private enterprise system. *3 Hrs.*

BUSN 207 Financial Accounting I

An introduction to financial accounting principles. Topics to be covered include recording of transactions, preparation of various journals, posting of ledgers and preparation of income statements and balance sheets. *3 Hrs.*

BUSN 208 Financial Accounting II

An introduction to the theory, methods and uses of accounting information in solving business problems. Topics include accounting for partnerships, corporations and income taxes. Prerequisite: Business Administration 207. *3 Hrs.*

BUSN 211 Students in Free Enterprise

Students in Free Enterprise (SIFE) is a not-for-profit organization that works in partnership with business and higher education to help college students gain a greater understanding of business economics and the free-enterprise system. It also helps students gain the communication, leadership and teamwork experience they will need to succeed in business and in other careers. The class is available to any student in the College of Arts and Sciences with permission of the instructor. It may be repeated for additional credit up to a maximum of four credits at one per year. *1 Hr.*

BUSN 305 Business Law I

An introduction to law with an emphasis on the legal rights and duties of the individual engaged in business. Topics to be covered include contracts, sales, personal property and bailments. Prerequisite: Sophomore standing. *3 Hrs.*

BUSN 307 Intermediate Accounting I

A study of financial accounting theory and generally accepted accounting principles. Topics include special problems of presentation in regard to cash, receivables, inventories, plant and equipment. Prerequisites: Business Administration 207 and 208. *3 Hrs.*

BUSN 308 Intermediate Accounting II

A continuation of the study of the financial accounting theory along with generally accepted accounting principles. Topics include special problems of presentation in regard to liabilities, leases, pensions, equity, income taxes, earnings per share and changing prices. Prerequisite: Business Administration 307. *3 Hrs.*

BUSN 311 Cost Accounting

A study of cost accounting systems including problems of cost determination. The course will emphasize the development of techniques for use in managerial decision-making such as standard costs and budgeting. Other topics include cost-benefit analysis, break-even analysis and capital budgeting. Prerequisites: Business Administration 207 and 208. *3 Hrs.*

BUSN 313 Auditing

A study of auditing standards as they relate to internal, external and public-sector auditing. Topics to be covered include auditing theory and ethics, responsibilities and legal liability, audit evidence, audit method and the audit report. Prerequisite: Business Administration 308. *3 Hrs.*

BUSN 315 Business Law II

A continuation of the study of law as it affects the individual engaged in business. Topics include agency, partnerships, corporations, real property and government regulation of business. Prerequisite: Business Administration 305. *3 Hrs.*

BUSN 316 Federal Taxation

A comprehensive study of the federal tax system. Topics include income, deductions, credits and exclusions. Prerequisites: Business Administration 207 and 208. *3 Hrs.*

BUSN 317 Advanced Accounting

An advanced study of financial accounting theory and application. Topics include external reporting, consolidations, partnerships, governmental accounting and fiduciary accounting. Prerequisite: Business Administration 308. *3 Hrs.*

BUSN 320 Business Ethics

Analysis of business policies and practices with respect to their social impact; patterns of governmental regulations; political activities of trade associations and other special-interest groups; the relationship between public policy and the growth of corporate enterprise and the social responsibilities of business management. This course fulfills the writing-intensive course requirement. *3 Hrs.*

BUSN 326 Advanced Federal Taxation

A comprehensive study of federal taxation of partnerships, corporations, estates, and trusts. Prerequisite: Business Administration 316. *3 Hrs.*

BUSN 331 Personnel Administration

A study of the personnel function in the organization. Topics covered include job design, staffing, performance appraisal, training and development, compensation and collective bargaining. Current topics in the law (OSHA, Fair Employment Regulations, etc.) which affect the personnel function are considered. *3 Hrs.*

BUSN 333 Principles of Management

A basic survey of management theory with emphasis on the functional and task requirements of management and behavioral considerations. Specific topics include the planning, organizing and controlling functions of management; contemporary models of organizational design; motivation and performance; and group behavior and influence processes. *3 Hrs.*

BUSN 340 Marketing

A study of the interrelationship between marketing functions and the other primary functions of firms or organizations. An analytical survey is made of the problems of product planning, pricing, promotion, channels of distribution and legislation affecting marketing activities as related to the satisfaction of individual consumer and societal wants and needs. *3 Hrs.*

BUSN 351 Consumer Behavior

An overall view of some of the basic perspectives of consumer behavior. An interdisciplinary approach will be stressed including the fields of economics, psychology, sociology and anthropology as related to marketing. Emphasis is placed on the fundamental processes of motivation, perception and learning, as well as analysis of individual and group influences as related to the marketing of goods and services. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 353 Promotion Management

A study of the promotion activities of personal selling, advertising, public relations/publicity and sales promotion as part of overall marketing strategies and budgets. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 360 Corporate Finance

Introduction to basic concepts, principles and analytical techniques of financial management. Emphasis on planning and managing assets. Topics include formulating financial objectives, short-term financial analysis, financial forecasting and planning, current asset management, elementary capital budgeting and cost of capital, the nature of long-term sources of funds, analysis of risks in financial decisions involving alternative investment options, mergers and acquisitions, problems in valuation, dividend policy, financial leverage and determination of optimal capital structure. Prerequisites: Business Administration 208; Economics 203 and 204; and Mathematics 206. *3 Hrs.*

BUSN 372 Personal Financial Management

A study of the management of personal and family affairs. Includes income and expenditure planning, credit and borrowing, personal savings, taxes, insurance, social security, investing and retirement and estate planning. *3 Hrs.*

BUSN 420 International Business

Survey and analysis of similarities and differences in management and business practices in selected countries in diverse parts of the world. Evaluation of socio-economic, political, legal, educational and cultural factors on managerial decision-making and business practices in specific environments. Some use of case analysis. Prerequisites: Economics 203 and 204; Business Administration 340. *3 Hrs.*

BUSN 421 Organizational Behavior

An examination of the behavioral aspects of organizations within our society. Specific topics include the interrelationships between the individual, informal and formal groups; group formation, cohesiveness, conformity and norms; interpersonal communications; conflict; authority, power and influence; leadership, motivation and performance. Students may elect this course as Psychology 421. *3 Hrs.*

BUSN 432 The Entrepreneurial Enterprise

A study of the characteristics that distinguish an entrepreneurial enterprise from the concepts of the small business and the large firm. Present and past case histories will be used to examine the risks and opportunities facing the entrepreneurial firm. The methods used to determine the feasibility of successfully establishing a company and to develop a business plan for entrepreneurial ventures will be studied. Prerequisites: Business Administration 333, 340 and 360 or permission of the instructor. *3 Hrs.*

BUSN 441 Retail Strategy and Management

An examination of the basic functions, institutions and activities of retailing goods and services with an emphasis on development and implementation of business strategy and management. Includes evaluation and selection of target markets, design of merchandising plan, as well as financial implications of strategy. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 452 Marketing Management

A study of the marketing strategies used by management under a variety of circumstances and within a variety of business and organizational settings. The case analysis method is utilized. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 453 Marketing Research

An introduction to the research and methods used in the marketing process. Areas given emphasis include sources of market data, sampling surveys, interpretation of data and the relationship of market research to the policies and functions of a business. Prerequisite: Business Administration 340 and Mathematics 206. *3 Hrs.*

BUSN 470 Principles of Investment

A study of the economic and investment environment as it relates to security investment decisions. Introduction to the concepts and techniques relevant to the formulation of investment objectives, strategies and policies for individual and institutional investors. An elementary treatment of portfolio theory and the capital asset pricing model. Prerequisite: Business Administration 360. *3 Hrs.*

BUSN 472 Seminar in Financial Management

In-depth treatment of advanced problems in managerial finance. Topics include working-capital management, capital budgeting, cost of capital, valuation, dividend policy and long-term financial management. Extensive use of cases. Prerequisite: Business Administration 360. *3 Hrs.*

BUSN 485 Business Policy

Designed to develop analytical skills in strategy formulation and implementation and an integrated view of business operations. Provides a basic grasp of policy problems in a variety of business and governmental settings through the use of case studies. Prerequisites: Economics 203 and 204; Business Administration 207, 208, 305, 320, 324, 333, 340, 360; or permission of the instructor. *3 Hrs.*

BUSN 492 Current Topics

Course designed to investigate and evaluate current topics or specialized areas of business. Course topic is to be announced the semester preceding the offering. Prerequisite: To be designated for each specific course offered. *3 Hrs.*

BUSN 495 Independent Research/Study

A program of directed readings or a research project. Requires approval of the supervising professor, the division chairman and the vice president for academic affairs. Open to senior business majors with a 3.000 grade-point average in the major. *1, 2 or 3 Hrs.*

CHEMISTRY

The chemistry program is designed to provide an educational experience with considerable depth in science and mathematics. Students are prepared by this program to go into industry or to pursue careers in chemistry and medicine requiring graduate study or formal professional training in medical school. Small class size insures each upper-level student access to lab instruments.

Careers. Students planning to pursue careers in science and medically related fields should take courses in chemistry. These careers include chemistry, biochemistry, biology, forensic science, medicine, nursing, laboratory technology, medical technology, dental technology, physical therapy and veterinary medicine.

Natural science requirement. The Natural Science Requirement is met with Chemistry 101 or 111.

Writing-intensive course requirement. The writing-intensive course requirement is met with one course chosen from Chemistry 403 or 404.

Requirements for the B.S. degree with a major in biochemistry are:

Core:
CHEM 111, 111L Chemistry Principles I & Lab
CHEM 112, 112L Chemistry Principles II & Lab
CHEM 303, 303L Organic Chemistry I & Lab Hrs.
CHEM 304, 304L Organic Chemistry II & Lab
CHEM 305, 305L Qualitative Analysis & Lab
CHEM 307, 307L Instrumental Analysis & Lab
CHEM 308, 308L Physical Chemistry & Lab
CHEM 403, 403L Biochemistry I & Lab
CHEM 404, 404L Biochemistry II & Lab
BIOL 103 Principles of Biology
BIOL 402 Genetics
Choose two of the following:
BIOL 202 Vertebrate Biology
BIOL 204 Botany
BIOL 207 Microbiology
BIOL 300 Cell Biology
BIOL 401 Comparative Physiology
Plus Physical Sciences II Concentration:
PHYS 101 General Physics
PHYS 102 General Physics
MATH 121 Calculus I
MATH 122 Calculus II
CSCI 131 Computer Science I

Note: Language proficiency as demonstrated by the completion of a 201 or 202 course or by testing is strongly recommended.

Laboratories. The department requires a student to register for a laboratory with each class course below Chemistry 405.

CHEM 101 General Chemistry I
This course includes the structure of the atom; the structure of the nucleus and nuclear chemistry; the Periodic Table; chemical bonding; solids, liquids and gases; and stoichiometric relationships, the properties of solutions, colloidal systems, chemical equilibria and hydrocarbons. Three hours lecture per week. Designed primarily for non-science majors. *3 Hrs.*

CHEM 102 General Chemistry II
This course is an introduction to organic chemistry and biochemistry, including functional groups, reactions and synthesis. Three hours lecture per week. Primarily for non-science majors. Prerequisite: Chemistry 101 or permission of the instructor. *3 Hrs.*

CHEM 111 Chemistry Principles I
The study of atomic and molecular structures, electronegativity, the relationships of Periodic Table, covalent, ionic and metallic bonding, molecular orbitals, enthalpy and entropy. Three hours lecture per week. Designed primarily for science majors. *3 Hrs.*

CHEM 112 Chemistry Principles II
The study of chemical equilibria, reaction rates, free energy, electrochemistry, acids, bases and pH and an introduction to carbon chemistry. Three hours lecture a week. Designed primarily for science majors. Prerequisite: Chemistry 111 or its equivalent. *3 Hrs.*

CHEM 303 Organic Chemistry I
Introductory course including an integrated survey of the more important compounds of the aliphatic and aromatic series; emphasis on problems in organic synthesis. Three hours lecture a week. Prerequisite: Chemistry 112 or permission of the instructor. *3 Hrs.*

CHEM 304 Organic Chemistry II
Theoretical course treating the mechanisms of organic reactions in terms of modern structural theories. Three hours lecture a week. Prerequisite: Chemistry 303 or permission of the instructor. *3 Hrs.*

CHEM 305 Quantitative Analysis
Introduction to the theory and practice of quantitative analytical chemistry. Topics include volumetric analysis, spectroscopy, electrochemistry and chromatography. Three hours lecture per week. Prerequisite: Chemistry 112. *3 Hrs.*

CHEM 307 Instrumental Analysis
A second course in analytical chemistry, treating the theory and operation of electronic instrumentation. Three hours lecture per week. Prerequisite: Chemistry 305 or permission. *3 Hrs.*

CHEM 308 Physical Chemistry
Study of the structure of gases, the physical properties of matter, the laws of thermodynamics and the principles of equilibria. Three hours lecture a week. Offered alternate years. Prerequisites: Chemistry 112, Physics 101, Mathematics 121, 122 or permission of the instructor. *3 Hrs.*

CHEM 390, 391 Laboratory Assistant in Chemistry
Practical experience as a laboratory assistant in the department. Chemistry 391 may be repeated once for credit. Grading is P/NR. Prerequisites: 12 hours of chemistry with a grade of B or better and permission of the department. *0, 1 Hr.*

CHEM 403 Biochemistry I
Study of protein conformation and function; mechanisms and regulation of enzyme action; generation and storage of metabolic energy. Three hours lecture a week. This course fulfills the writing-intensive course requirement. Prerequisite: Chemistry 304. *3 Hrs.*

CHEM 404 Biochemistry II
Study of the metabolism of biomolecules: biosynthesis of macromolecules; storage, transmission and expression of genetic information. This course fulfills the writing-intensive course requirement. Prerequisite: Chemistry 403, Biology 300 or permission of the instructor. *3 Hrs.*

CHEM 430 Topics in Chemistry
This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles. Prerequisite: One year of college chemistry. May vary with topic. *1, 2, 3 or 4 Hrs.*

CHEM 450 Directed Individual Studies
Individual research conducted by the student. Three, six or nine hours of consultation and laboratory work a week. Prerequisite: Open to advanced students by permission of the instructor. *2, 3 or 4 Hrs.*

CHEM 499 Chemistry Professional Internship
Practical experience in the field of chemistry or biochemistry. Prerequisites: 20 hours in chemistry courses and permission of the department. *1, 2 or 3 Hrs.*

Chemistry Laboratories

CHEM 101L Introduction I
This laboratory introduces the student to elementary glass-working, general laboratory equipment and techniques, the principles of quan-

titative operations and qualitative analysis. Three hours laboratory a week. Lab fee $25. *1 Hr.*

CHEM 102L Introduction II

The student in this laboratory is introduced to semi-micro techniques, chromatography and elementary organic and biochemical techniques. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 101L or permission of the department. *1 Hr.*

CHEM 111L Introduction III

This laboratory introduces students to general laboratory equipment and techniques and the principles of gravimetric analysis. Lab fee $25. *1 Hr.*

CHEM 112L Introduction IV

This laboratory introduces buffers, colligative properties, semi-micro techniques and volumetric and qualitative analysis. Lab fee $25. *1 Hr.*

CHEM 303L Synthesis I

This course introduces the student to the basic experimental techniques of chemical synthesis of organic compounds. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 112L. *1 Hr.*

CHEM 304L Synthesis II

A continuation of Laboratory 303L and the introduction of the student to organic qualitative analysis. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 303L. *1 Hr.*

CHEM 305L Quantitative Analysis Laboratory

This laboratory introduces the student to the techniques of making accurate and precise measurements in the laboratory, with an emphasis on volumetric, gravimetric and electrochemical analysis methods. Three hours of laboratory per week. Lab Fee $25. *1 Hr.*

CHEM 307L Instrumentation II

This laboratory introduces the student to design, construction and operation of chemical instruments, as well as the proper selection of analytical techniques for solving chemical problems. Three hours of laboratory per week. Lab Fee $25. Prerequisite: Chemistry 305. *1 Hr.*

CHEM 308L Physical Chemistry

Introduction to basic devices for precise physical and chemical measurements. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 307L or permission of the instructor. *1 Hr.*

CHEM 403L Biochemistry I

Basic principles and techniques of biochemistry laboratory investigation introduced; work is quantitative in nature. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 304L or permission of the instructor. *1 Hr.*

CHEM 404L Biochemistry II
This course is a continuation of Laboratory 403L with special emphasis given to advanced biochemical methodology and to quantitative measurement. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 403L. *1 Hr.*

COMMUNICATIONS

Students in communications should strive for excellence in oral and written communication. This major challenges the student to achieve the first goal for success in this field (the goal which most employers stress above any other): the ability to write effectively and correctly. Further, the courses analyze the complex interaction of the mass media and society as they reveal the exciting career opportunities open to the student in the rapidly expanding field of communications. Students work closely with their advisors in planning the total program.

Writing-intensive course requirement. The writing-intensive course requirement is met with Communications 207.

Requirements for the B.A. degree with a major in communications are:

Core:
COMM 110 Introduction to Mass Communications
COMM 200 Public Speaking
COMM 207 Nonfiction Writing
COMM 301 Fundamentals of Human Communication
COMM 415 Media and Society
Choose two of the following:
ENGL 200 World Literature
ENGL 210 British Literature Survey I
ENGL 220 British Literature Survey II
ENGL 230 American Literature
Choose one of the following:
COMM 103 The Sounds of Standard American English
COMM 231 Film History and Criticism
COMM 233 Television History and Criticism
Plus complete corporate or journalism track:
Corporate track:
COMM 341 Advertising
COMM 342 Public Relations
COMM 303 Persuasion and Campaigns
COMM 305 Organizational Communication
Journalism track:
COMM 204 Introduction to News Writing and Editing
COMM 213 Practicum in Communications, *Chronicle* (taken 2 times)
COMM 304 Advanced Media Writing
COMM 310 Broadcast Journalism

COMM 103 The Sounds of Standard American English
An introduction to the pronunciation of vowels, diphthongs, and consonants of standard American English. The International Phonetic Alphabet and audio tapes will be primary tools. *3 Hrs.*

COMM 110 Introduction to Mass Communications
An introduction to the major fields of communications (television, radio, film, newspapers, magazines, advertising and public relations) and to the importance of communications in modern America. Attention to the history of the media and to the laws, pressure groups and regulatory agencies which influence them. *3 Hrs.*

COMM 200 Public Speaking
This course will develop students' ability to prepare and deliver an effective speech in a variety of formats. Rhetoric, logic, diction, body language and other necessities of speaking in public will be addressed. *3 Hrs.*

COMM 204 Introduction to News Writing and Editing
Studies of newspaper methods and the techniques of news writing, with emphasis on basic editing. Prerequisites: Communications 110 and English 110 and 120 or permission of the department. *3 Hrs.*

COMM 207 Nonfiction Writing
Expository writing based upon assigned topics and readings. The student will be expected to write knowledgeable expository prose based upon thought, reading and research. This course fulfills the writing-intensive course requirement. Prerequisites: English 110 and 120 or permission of the department. Students may elect this course as English 207. *3 Hrs.*

COMM 212 Practicum in Communications, *Arete*
Practical work in producing the college yearbook, *Arete*. Open to all students. Grading is Pass/Fail. *1 Hr.*

COMM 213 Practicum in Communications, *Queens Chronicle*
Practical work in producing the student newspaper, *Queens Chronicle* includes regular journalism workshops with instructor and editors. Prerequisite: Communications 204 or permission of instructor. Grading is pass/fail. *1 Hr.*

COMM 231 History of Film
Introduction and historical analysis of the development of cinema from the silent era to the contemporary avant garde: includes survey of technological developments, evolution of popular genres and the achievements of significant directors and their landmark films. Students may elect this course as Dramatic Art and Speech 231. *3 Hrs.*

COMM 233 Television History and Criticism
A survey of the medium's 50-year history, including broadcast milestones, the entertainment and educational potential and the imprint on American society. Students will examine American mass culture through the window of television programming, explore the economic dimensions of the medium, and investigate new technologies. *3 Hrs.*

COMM 301 Fundamentals of Human Communication
A survey of various theories and applications in several of the fields of human communication. Emphasis will be placed on the study of interpersonal communication, gender communication, group interaction and intercultural communication. The course will include the following: self concept analysis and perception; interpersonal conflict; the role of communication in building friendship, family and intimate relationships; communication between the sexes; group structure and dynamics; leadership in groups; and the dimensions of intercultural communication as it applies to intercommunity, ethnic and foreign cultures. *3 Hrs.*

COMM 303 Persuasion and Campaigns
The study of theoretical and applied persuasive communication as it is used in focused large-scale campaigns to exert social and political influence. Students will explore the broad theories of persuasion as they may assist in the analysis of communicated campaign messages. Areas and theories to be studied include: Aristotle and Greek influences in modern persuasion; public opinion; persuasive language; proof, evidence and reasoning; cultural appeals; propaganda; and persuasion in negotiation and sales. Students will analyze both classic and current political and social campaigns as well as prepare and present their own campaign for a given organization, candidate or issue. *3 Hrs.*

COMM 304 Advanced Writing for the Media
Advanced study of the techniques of writing for the media, with emphasis on the development of specialized skills and research techniques. Prerequisites: Communications 204 and 307. *3 Hrs.*

COMM 305 Organizational Communication
This course is designed to explore the broad theories and applications of organizational and managerial communication and to develop critical skills to improve communication in business settings. Students will investigate communication flow and processes within organizational contexts including: communication in management; interpersonal relationships in the workplace; communication in small group contexts such as meetings and team building; conflict management; networking; nonverbals and office politics. *3 Hrs.*

COMM 310 Broadcast Journalism
This course explores the broadcast journalism industry, examining the history of the industry, the structure of the contemporary newsroom, and career opportunities in the field. Further, it gives students experience in writing and announcing radio and television news scripts. Prerequisites: Communications 110 and 204. *3 Hrs.*

COMM 341 Advertising
An introduction to the concepts, methods and materials of advertis-

ing, this course will explore the techniques of preparing a finished campaign from the research stage through market analysis to lay out, design and final presentation to a prospective client. The course will employ a case approach. A final project required. *3 Hrs.*

COMM 342 Public Relations

An introduction to public relations strategies for businesses and other organizations who must communicate with the public. The course will explore the media, methods and ethics of how an institution interacts with a variety of audiences. *3 Hrs.*

COMM 350 Independent Study in Communications

This course involves an independent investigation of a period in the history of mass communications or of the influence of mass media on contemporary culture or of a topic related to other particular facets of the study of mass communications: for example, journalism, television, radio, magazines, advertising or some aspect of American popular culture. Open to junior and senior majors with a 3.000 average in communications. Prerequisites: Communications 110, 204 and permission of the department. *3 Hrs.*

COMM 360 Topics in Communications

Intensive consideration of a single topic in communications. The topics for the course will vary from term to term and may range from a consideration of the work of a single individual to a study of the general movement. Open to majors and to others with the permission of the department. May be taken twice with different subtitles. *3 Hrs.*

COMM 361 Topics in Journalism

Intensive consideration of a single topic in journalism. The topic for the course will vary from term to term and may range from a consideration of the work of a single individual to a study of the general movement. *3 Hrs.*

COMM 415 Media and Society

This senior seminar analyzes media policies and practices with respect to their social impact: governmental regulations of the media; pressure groups and their influence; field studies on media influence; libel and privacy laws; and ethical issues confronting media practitioners. Required of all senior majors. Limited to those who have completed or are in the process of completing all earlier requirements for the major. *3 Hrs.*

COMPUTER SCIENCE

CSCI 131 Computer Science I
Problem-solving processes, algorithmic design, structured programming in a procedural language, debugging and testing techniques; Pascal is the current implementation language used; Prerequisite: Placement into category A or B on the Mathematics Proficiency Test or permission of the instructor. *3 Hrs.*

CSCI 132 Computer Science II
A continuation of CSCI 131. Rigorous development of algorithms and computer programs; elementary data structures like stacks, queues and linked lists; recursive procedures plus elementary searching and sorting techniques. Prerequisite: Computer Science 131. *3 Hrs.*

CSCI 231 Data Structure and Algorithm Analysis
Theory of and advanced techniques for representation of information; review of stacks, queues and linked lists; trees and graphs; analysis of algorithms; hashing techniques; and advanced techniques for searching and sorting. Prerequisite: Computer Science 132. *3 Hrs.*

CSCI 325 Computer Organization and Assembly Language
Organization of a computer, its basic components and addressing techniques; assembly language programming; assembling, linking, running and debugging programs; and macros. Prerequisite: Computer Science 132. *3 Hrs.*

DRAMATIC ART AND SPEECH

Major in English/Drama. Students may major in English/ Drama. Such a major provides the opportunity for concentrated work in dramatic literature and theatrical production. Electives may be chosen from the related fields of literature, dance and music. This major will introduce the student to all phases of theatrical and dramatic theory and practice.

Writing-intensive course requirement. The writing-intensive course requirement is met with Drama 250.

Requirements for the B.A. degree with a major in English/drama are:

ENGL 200 Introduction to World Literature
ENGL 313 Shakespeare
DRAM 303 Major Figures in World Drama: Ancient Greece to the Renaissance
DRAM 304 Major Figures in World Drama: Renaissance to Modern
DRAM 250 Beginning Acting
DRAM 315 Theatrical Production Technique
DRAM 352 Directing for the Theater
DRAM 451 Senior Project
DRAM 317 Practicum in Play Production (minimum 2 Hrs.)

DRAM 231 History of Film
or
DRAM 233 Television History and Criticism

DRAM 103 The Sounds of Standard American English
or
DRAM 350 Advanced Acting

DRAM 336 Tragedy
or
DRAM 337 Comedy

DRAM 327 Modern Drama
or
DRAM 355 Topics in Dramatic Literature

DRAM 103 The Sounds of Standard American English
An introduction to the pronunciation of vowels, diphthongs, and consonants of standard American English. The International Phonetic Alphabet and audio tapes will be primary tools. *3 Hrs.*

DRAM 231 History of Film
Introduction and historical analysis of the development of cinema from the silent era to the contemporary avant garde; includes survey of technological developments, the evolution of popular genres and the achievements of significant directors and their landmark films. Students may elect this course as Communications 231. *3 Hrs.*

DRAM 233 Television History and Criticism
A survey of the 50-year history of the medium, including its broadcast milestones, the entertainment and educational potential and the imprint on American society. Students will examine American mass culture through the window of television programming, explore the economic dimensions of the medium, and investigate new technologies. *3 Hrs.*

DRAM 250 Beginning Acting
Introduction to basic principles of acting theory and accompanying illustrative exercises—relaxation, observation, concentration, imagination, alignment, improvisation, etc. This course fulfills the writing intensive course requirement for the drama major. *3 Hrs.*

DRAM 303 Major Figures in World Drama: Ancient Greece to the Renaissance
Survey of dramatic literature from ancient Greece to the Renaissance, with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Students may elect this course as English 303. *3 Hrs.*

DRAM 304 Major Figures in World Drama: Renaissance to Modern
Survey of dramatic literature from the Renaissance to the time of Ibsen with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Students may elect this course as English 304. *3 Hrs.*

DRAM 315 Theatrical Production Technique
Introduction to the technical elements of theatrical production scenery, lighting, costumes, sound, properties, public relations, etc. This course examines these elements both individually and collectively as integral parts of a totally conceived and executed theatrical production. Students will complete individual projects as a part of this course. *3 Hrs.*

DRAM 317 Practicum in Play Production
Opportunity for practical application of principles of set construction, lighting, costumes, make-up, publicity, etc. in the production of a play. *1, 2, or 3 Hrs.*

DRAM 318 Acting Practicum
Admission by audition. Those students who are cast in a Queens College theater production will be (or may be) registered for this course. Credit through this course is valuable for all students cast in a production, regardless of major. Students cast in productions are not compelled to receive academic credit. *1, 2 or 3 Hrs.*

DRAM 327 Modern Drama
Study of world drama from the realism of Ibsen through naturalism, expressionism and symbolism to the current avant-garde theater. Students may elect this course as English 327. *3 Hrs.*

DRAM 336 Tragedy
An examination of the nature of tragedy with attention to plot, protagonist, philosophic content, and effect upon audience. Models analyzed will include plays of the classic Greeks, Shakespeare, Ibsen, O'Neill, Miller, and Williams. Students may elect this course as English 336. *3 Hrs.*

DRAM 337 Comedy
An examination of the nature of comedy with attention to plot, character, and the manipulation of language and traditional "lazzi." Models analyzed might be drawn from plays of Aristophanes, Shakespeare, Moliere, Wilde, Shaw, and Neil Simon. Students may elect this course as English 337. *3 Hrs.*

DRAM 350 Advanced Acting
Continued study of acting through text, topic, and/or productions and practical application of acting theory and technique by way of participation in rehearsal, development, and workshop presentation of scenes and/or monologues. Prerequisite: Drama 250. This course may be repeated for credit up to six hours. *3 Hrs.*

DRAM 352 Directing for the Theater
Introduction to the basic principles of theatrical production from the viewpoint of the director; theoretical exploration of composition, picturization, movement, rhythm, and pantomimic dramatization and practical application of the above in the direction of a scene. Prerequisites: Drama 250 and 317. *3 Hrs.*

DRAM 355 Topics in Dramatic Literature
Intensive consideration of a single problem in dramatic literature. The topic for this course will vary from term to term and may range from a consideration of the work of a major playwright to a study of a single genre or intellectual movement. May be taken twice with different subtitles. Prerequisites: Junior or senior standing; English 200 or Liberal Learning 210. *3 Hrs.*

DRAM 450 Directed Studies in Drama, Theater and Speech
Independent investigation of an area in dramatic literature, theater or speech. Open to junior and senior majors with a 3.000 average in English/Drama. *2, 3 or 4 Hrs.*

DRAM 451 Senior Project
Independent study/project for the senior drama major. The student will choose an area of particular interest (design, acting, directing, playwriting, dramatic literature, etc.) within the field of drama/theater and will complete a project/research paper in that area. This course is a culmination of work done throughout the student's academic career. *3 Hrs.*

ECONOMICS

Courses offered in the Department of Economics provide for the study of the principles underlying economic systems at the national and international levels and governing the operations of market economies at the level of the household and the firm.

ECON 203 Principles of Macroeconomics
Introductory survey of aggregate economic principles; the scope and method of economics; business organizations; money and prices; national income theory; economic stabilization policies; and international trade. *3 Hrs.*

ECON 204 Principles of Microeconomics
Survey of economic principles dealing with specific components of the economy and their application to economic problems; basic demand and supply theory; the theory of production and income distribution; agriculture, government regulation and labor organizations. *3 Hrs.*

ECON 300 Current Topics or Specialized Areas in Economics
Courses designed to investigate and evaluate current topics or specialized areas of economics. Course topics are announced the term preceding the offering. Prerequisite: To be designated for each specific course offered. *3 Hrs.*

ECON 345 Intermediate Microeconomic Theory
The study of resource allocation in the determination of optimum output and pricing by a firm. Emphasis includes utility and production functions and the application of microeconomic theory given various market conditions. Prerequisites: Economics 203 and 204; Mathematics 131. *3 Hrs.*

ECON 350 Intermediate Macroeconomic Theory
The study of the measurement and composition of the Gross National Product, the factors determining its size and growth and the policy measures by which government can influence its size, compo-

sition and development. Prerequisites: Economics 203 and 204; Mathematics 131. *3 Hrs.*

ECON 351 Money and Banking

Study of the fundamental principles and practices of the money and credit systems of the United States; financial institutions, commercial banking, the Federal Reserve System, monetary theories and policy. Prerequisites: Economics 203, 204; Business 207, 208. *3 Hrs.*

ECON 355 Capitalism

This course explores the connection between money and power in our world and its effects on the way we live our lives. Current topics such as movements of the Federal Reserve system with respect to interest rates will be considered from both election and non-election year standpoints. While focus will be on the United States economy, international monetary and financial topics will also be discussed. This course gives an overview of the events that shape the world. *3 Hrs.*

ECON 449 Directed Individual Study

A program of directed readings, independent study of an approved program or an approved project formulated by the student and approved by the department. Open to seniors with a 3.000 grade-point average. *1, 2 or 3 Hrs.*

ECON 454 International Trade

A study of international payments, international economic theory, contemporary economic nationalism, international investment and currency problems and the commercial policies of foreign countries. Prerequisites: Economics 203 and 204. *3 Hrs.*

EDUCATION

North Carolina Class "A" teacher certification is possible through programs in elementary (grades K-6); special subject (grades K-12) in French and Spanish; and secondary subject areas (grades 9-12) in English, mathematics, biology, history and social studies. All programs are approved by the North Carolina State Board of Education and the National Council for Accreditation of Teacher Education (NCATE), allowing certification reciprocity with other states.

Teacher certification may be obtained as a part of the student's four-year program and the education of teachers is the joint responsibility of academic departments and the education department.

Department objectives state that the education of teachers is threefold: they receive liberal education, they pursue in depth their teaching specialties and they acquire the necessary professional knowledge and skills needed in teaching. Objectives for each area of certification are listed in the Teacher Education Handbook, available in the Education Department.

The Education Department offers a major in elementary education with K-6 certification.

Students desiring secondary or K-12 certification major in the content area in which they are seeking certification and take the additional courses for certification requirements as electives.

Students should apply to the Education Department for admission to the Teacher Certification Programs during Term II of their sophomore year. To be accepted, a student must have positive recommendations by three Queens faculty members, an overall grade-point average of 2.500 after four semesters of course work, satisfactory scores on Core Batteries I and II of Praxis Series and approval of the Teacher Education Committee.

Students may not take more than 50 percent of their professional education courses before being officially admitted to the Teacher Education Program.

Students must apply for student teaching during Term I of their senior year. Minimum criteria for admission to student teaching are a 2.750 GPA, recommendation by the major department and approval of the education department and the Teacher Education Committee.

Prior to completion of the program, students must take the last two sections of the Praxis Series: Professional Knowledge and Specialty Area. Complete information and application forms for the

Praxis Series may be obtained from the Education Department.

Persons interested in teacher certification who have already earned a bachelor's degree are admitted as post-bacculaureate students. They should contact the office of adult admissions regarding admission and are expected to complete a minimum of 12 credit hours successfully at Queens prior to student teaching.

Writing-intensive course requirement. The writing-intensive course requirement is met with Education 270.

Requirements. Certification requires the achievement of competencies in areas designated by state and national accrediting agencies: general education, professional education and teaching specialty.

General Education Liberal Arts Requirements (for all levels of certification)

Course No. and Title	Hrs.
Liberal Learning 110	5
English 110	3
Liberal Learning 120	5
English 120	3
Mathematics 104 (or above)	3
Physical Education Courses	2
Psychology 201	3
One Science Course with lab	3 or 4
Liberal Learning 210	5
Liberal Learning 220	5
Psychology 320	3
Liberal Learning 410	3

Professional Education Requirements (K-6)

Course No. and Title		Hrs.	Term
EDUC 221	Introduction to Teaching	3	I
EDUC 225	Curriculum & Instruction for Elementary Schools	3	II
EDUC 270	Computers in Education	3	II
EDUC 305	Literature for Children	3	I
EDUC 310	Educational Psychology	3	I
EDUC 380	Health & Physical Education Methods	3	*I
EDUC 385	Music & Art Methods	3	**I
EDUC 401	Teaching of Reading and Other Language Arts	3	II
EDUC 402	Diagnostic & Corrective Techniques in Reading	3	I
EDUC 404	Mathematics Methods & Materials in Elementary Schools	3	I

** even years only*

*** odd years only*

Course No. and Title		Hrs.	Term
EDUC 411	Social Studies Methods & Materials in Elementary Schools	3	I
EDUC 412	Science Methods & Materials in Elementary Schools	3	I
EDUC 415	Integration of Elementary School Mathematics and Science	3	I

Professional Education Requirements (K-12 Foreign Language, French or Spanish)

Course No.	Title	Hrs.	Term
EDUC 221	Introduction to Teaching	3	I
EDUC 270	Computers in Education	3	II
EDUC 299	Exploratory Internship	2	*
EDUC 310	Educational Psychology	3	I
EDUC 345	Content Area Reading	3	I
FREN 442 or SPAN 442	Methods and Materials for Foreign Language Teaching	3	I

* Students should complete the Exploratory Internship at the opposite grade level from their student teaching level.

Professional Education Requirements (9-12):

Course No.	Title	Hrs.	Term
EDUC 221	Introduction to Teaching	3	I
EDUC 270	Computers in Education	3	II
EDUC 310	Educational Psychology	3	I
EDUC 345	Content Area Reading (all except mathematics)	3	I
EDUC 436	Secondary Methods/Materials	4	I

Teaching-block Professional Semester Requirements (K-6)

Course No.	Title	Hrs.	Term
EDUC 499A	Professional Internship: Elementary Student Teaching	12	II
EDUC 451	Post-Practicum Seminar in Elementary Education	3	II

Teaching-block Professional Semester Requirements (Foreign Language: French or Spanish K-12)

Course No.	Title	Hrs.	Term
EDUC 499D	Professional Internship: Foreign Language	12	II

Course No.	Title	Hrs.	Term
EDUC 451	Post-Practicum Seminar in Elementary Education	3	I
or			
EDUC 452	Post-Practicum Seminar in Secondary Education	3	II

Teaching-block Professional Semester Requirements (9-12)

Course No.	Title	Hrs.	Term
EDUC 499C	Professional Internship: Secondary Student Teaching	12	II
EDUC 452	Post-Practicum Seminar in Secondary Education	3	II

Secondary (9-12)

For the secondary teaching certificate, students are required to complete a major in the area in which certification is desired. Special course requirements in the major or additional to the major are noted below.

Biology — Major in biology.

English — Major in English including English 207 and 334 and Dramatic Arts and Speech 231 or 232.

History — Major in history including History 203 and 204 and six credit hours European/world history.

Mathematics — Major in mathematics including Mathematics 304, 402, 406 and 417. Recommended courses: Physics 101 and 102 and Mathematics 203 and 311.

Social Studies — Major in history, including History 203 and 204 and six credit hours in European/world history. Course work must also include 21 credit hours in related social sciences including Political Science 201, Economics 203, Sociology 302 (recommended) or Sociology 203.

Foreign Language (K-12)

French — Major in French
Spanish — Major in Spanish

EDUC 221 Introduction to Teaching
Sociological, historical and philosophical background, purposes and concepts basic to the development of public education in the United States. Primarily for sophomore level students; required of all students in teacher education. *3 Hrs.*

EDUC 225 Curriculum and Instruction for Elementary Schools

Curricular planning and development skills with emphasis on designing and implementing integrated activities, developing individualized materials and classroom organization and management. Ten hours field experience. Prerequisite for other methods and materials courses. *3 Hrs.*

EDUC 270 Computers in Education

Students will gain an understanding of the basic concepts of hardware and software and the uses of the computer in instructional programs by identifying, evaluating and selecting effective course ware, identifying and/or developing teaching strategies necessary to integrate course ware into the on-going instructional program and using the computer for Computer Assisted Instruction and Computer Managed Instruction. This course fulfills the writing-intensive course requirement. *3 Hrs.*

EDUC 299 Exploratory Internship in Education

This internship is to provide students with the opportunity to explore career options through on-site experiences in educational settings. This internship does not count toward the major. *1, 2 or 3 Hrs.*

EDUC 300 Educating the Young Child

This course provides a study of curriculum models and instructional strategies which can be utilized in a variety of educational settings for young children, ages three to eight. Students will develop instructional units which illustrate an integrated curriculum design. A field experience is required. *3 Hrs.*

EDUC 305 Literature for Children

Book selection and the integration of knowledge of children and books; includes evaluating types of literature and planning ways of using books with children. This course is designed primarily for education majors. *3 Hrs.*

EDUC 310 Educational Psychology

Study of those principles of psychology which can be applied directly to the classroom; emphasis on psychological testing, behavior deviations and principles of learning. Prerequisite: Psychology 201. *3 Hrs.*

EDUC 345 Content Area Reading

The importance of reading development in the content fields for the improvement of learning is emphasized. Topics include study skills; selection of appropriate reading materials, both functional and recreational; classroom strategies for facilitating reading comprehension; and vocabulary-building methodologies. Required for secondary teacher certification in all areas except mathematics. *3 Hrs.*

EDUC 352 Topics in Education

Intensive consideration of a problem in education that is not offered on a regular basis in the curriculum. The topics for the course will vary from term to term. Prerequisite: Sophomore status or above. *3 Hrs.*

EDUC 380 Elementary Health and Physical Education Methods

Overview of the aspects of teaching physical and health education: their place in the school program; facilities, equipment and safety procedures necessary for successful programs; skill progression and types of activities appropriate for elementary age groups; and available health services. *3 Hrs.*

EDUC 385 Elementary Music and Art Methods

Exploration of the aspects of teaching music and art: their place in the school program; materials necessary for successful programs; and both application and appreciation methodologies appropriate for elementary students. *3 Hrs.*

EDUC 401 Teaching of Reading and Other Language Arts

Course includes achievement of competencies in the use of materials and methods of instruction in the teaching of reading and other language arts K-6. Emphasis is placed on the process of reading, the interrelationship and integration of all the communicative arts and the development of interdisciplinary learning experiences which incorporate the communication process and literature with other curricular areas. Prerequisite for Education 402. *3 Hrs.*

EDUC 402 Diagnostic and Corrective Techniques in Reading

Course is designed to help students contribute more effectively to the total reading program by identifying, interpreting and fulfilling the needs of those experiencing difficulty in reading. Formal and informal diagnostic measures are studied. A school experience of working with students who have reading difficulties is required. Prerequisite: Education 401. *3 Hrs.*

EDUC 404 Mathematics Methods and Materials in the Elementary School

This course provides a study of the principles of teaching mathematics in the elementary school (K-6), a study of mathematics ideas and techniques that are developmentally appropriate for the elementary student and an examination of effective teaching strategies and materials. *3 Hrs.*

EDUC 411 Social Studies Methods and Materials in the Elementary School

Methods course for orientation to teaching strategies and materials for teaching social studies in grades K-6. Emphasis will be placed on developing thinking skills and problem solving and on the relationship of the social studies to other areas of the K-6 curriculum. *3 Hrs.*

EDUC 412 Science Methods and Materials in the Elementary School

Methods course for orientation to teaching strategies and materials for teaching science in grades K-6. Emphasis will be placed on using science content to develop effective science learning experiences. The relationship of science to other areas of the K-6 curriculum will be stressed. *3 Hrs.*

EDUC 415 Integration of Elementary School Mathematics and Science

This course explores the design and methodology for developing integrated science and mathematics curriculum in the elementary school. Emphasis will be placed on implementing strategies to include inquiry based problem solving, critical thinking and small group collaborative skills. Prerequisites: Education 404 and 412. *3 Hrs.*

EDUC 436 Secondary Methods and Materials

Study of teaching methods, resources, materials and strategies as related to general secondary school teaching and specific content area teaching. Prerequisite to student teaching; normally to be taken in Term I of senior year. *4 Hrs.*

EDUC 449 Practicum in Student Teaching

Course is designed for those students with extensive experience or certification in teaching in one area who now desire certification in area of experience or second area certification. Will include directed observation and student teaching in selected schools. Offered on demand. Grading is P/F. Student Teaching Fee: $25. Prerequisite: Permission of the instructor. *3, 4, 5, 6 Hrs.*

EDUC 450 Individual Studies in Education

Programs of study for experienced classroom teachers, following their interests and needs, are planned with the help of the instructor. Persons interested in enrolling in Education 450 must confer with the instructor in person or by letter prior to the beginning of the course so that individual study plans may be formulated. Offered on demand. Prerequisite: Classroom teaching experience and permission of the instructor. *1, 2 or 3 Hrs.*

EDUC 451 Post-Practicum Seminar in Elementary Education

This seminar course which follows student teaching and is part of the professional block is designed to provide the final integration of the theoretical and practical aspects of the education profession. Through seminar topics and individual study, students will assess and strengthen the understandings and competencies required of teachers in elementary education. Grading is P/F. *3 Hrs.*

EDUC 452 Post-Practicum Seminar in Secondary Education
This seminar course which follows student teaching and is part of the professional block is designed to provide the final integration of the theoretical and practical aspects of the education profession. Through seminar topics and individual study, students will assess and strengthen the understandings and competencies required of teachers in secondary education. Grading is P/F. *3 Hrs.*

EDUC 499A Professional Internship: Elementary
Directed observation and student teaching in selected schools, grades K-6; seminars are scheduled throughout this period. Grading is P/F. Student Teaching Fee: $50. *12 Hrs.*

EDUC 499C Professional Internship: Secondary
Directed observation and student teaching in selected schools, grades 9-12. Seminars are scheduled throughout this period. Grading is P/F. Student Teaching Fee: $50. *12 Hrs.*

EDUC 499D Professional Internship: Foreign Language
Directed observation and student teaching in selected schools, grades K-12. Seminars are scheduled throughout this period. Grading is P/F. Student Teaching Fee: $50. *12 Hrs.*

ENGLISH

Courses in the department include composition, literature, speech, film, dramatic arts and communications. Students are encouraged to take courses in all these areas, but courses in speech, film, dramatic arts (unless specified) and communications do not count towards a regular major in English. Initial courses train the student to perceive and evaluate the form, structure and inner dynamics of any literary work. Advanced courses focus on specialized areas of relevance and are designed to give the student an awareness of ways in which other disciplines can contribute to a fuller understanding of literature.

Careers. Study of literature and composition affords preparation for professional schools in law and teaching. In addition, students majoring in this department find their training applicable to editing, newspaper and television journalism, and copywriting for publishers and advertising agencies. When combined with study in communications, economics and business, careers may be planned for public relations and personnel work. Career opportunities also exist in films, theater and many phases of creative writing. Students may also obtain teaching certificates through elective courses. Students interested in drama and theater may want to consider the program outlined in the section on dramatic art.

Teacher certification. Students majoring in English may earn certification to teach on the secondary level (grades 9-12). Refer to the Education section of the *Catalog* for specifics.

Writing-intensive course requirement. The writing-intensive course requirement is met with English 460.

Requirements for the B.A. degree with a major in English are:

Core:
ENGL 200 Introduction to World Literature
ENGL 210 British Literature to 1660
ENGL 220 British Literature, 1660 to Present
ENGL 230 Survey of American Literature
ENGL 460 Literary Criticism
Choose two of the following:
ENGL 303 Major Figures in World Drama: Ancient Greece to the Renaissance
ENGL 309 Chaucer and Medieval Literature
ENGL 313 Shakespeare
ENGL 318 The Seventeenth Century
Choose one of the following:
ENGL 322 Nineteenth Century British Literature
ENGL 324 Nineteenth Century American Literature
Choose two of the following:
ENGL 325 The Novel
ENGL 326 Modern British Literature
ENGL 327 Modern Drama
ENGL 328 Modern American Literature
Plus complete literature or writing track:
Literature track:
Choose two of the following:
ENGL 304 Major Figures in World Drama: Renaissance to Modern
ENGL 332 African American Literature
ENGL 350 Contemporary Literature
ENGL 355 Special Studies in Literature: Drama, Fiction, Poetry
ENGL 336 Tragedy
ENGL 337 Comedy
Writing track:
Choose three of the following:
ENGL 306 Introduction to Creative Writing, 3 Hrs.
ENGL 308 Writing of Poetry
ENGL 310 Writing of Fiction

Prerequisites. Two courses chosen from English 200, 210, 220 or 230 are prerequisite to all English courses numbered 300 or above. Special consideration will be given, in certain cases, to non-English majors who desire to take courses numbered 300 or above.

ENGL 099 Basic Composition

Basic Composition is required of students whose standardized test scores or grades in English 110 or 120 indicate that they need help in developing basic writing skills. The course will help students learn the fundamentals of grammar, develop proofreading skills, and write well-structured sentences and paragraphs. Credit for this course may not be used toward graduation. *1 Hr.*

ENGL 110 Composition I

This course develops the student's writing skills and introduces research techniques. Emphasis is on the creation and revision of a variety of writing projects. Writing assignments and discussion topics are coordinated with the materials in Liberal Learning 110. *3 Hrs.*

ENGL 120 Composition II

This course continues to develop the student's writing and research skills in addition to techniques of oral communication. Emphasis is on the production of a research paper. Assignments and discussion topics are coordinated with the materials in Liberal Learning 120. *3 Hrs.*

ENGL 200 World Literature

An introduction to world literature from the ancient to the modern. Emphasis on authors, genres, periods or themes may vary. *3 Hrs.*

ENGL 207 Nonfiction Writing

Expository writing based upon topics and readings to be assigned by the instructor. The student will be expected to write knowledgeable expository prose based upon thought, reading and research. Prerequisites: English 110 and 120 or permission of the department. Students may elect this course as Communication 207. *3 Hrs.*

ENGL 210 British Literature to 1660

Historical survey and critical exploration of the major periods, genres, and attitudes of English literature from the Anglo-Saxon period and the Middle Ages through the Renaissance. The works of Chaucer, Shakespeare and Milton are highlighted. Primarily for sophomores; 210 need not be taken before 220, but both should be taken early in the major as foundations for later courses. *3 Hrs.*

ENGL 220 British Literature, 1660 to the Present

Historical survey of the major movements and periods of English literature from the Restoration and Neo-classicism through 19th-century Romanticism and Realism to the Modern period. English 210 and 220 should be taken early in the major as foundations for later courses. *3 Hrs.*

ENGL 230 Survey of American Literature

Provides an overview of the particular properties and the major movements of literature in the United States as seen in the works of selected writers from the colonial period to the present. This course serves as a prerequisite for all other courses in American Literature offered by the department. *3 Hrs.*

ENGL 303 Major Figures in World Drama: Ancient Greece to the Renaissance

Survey of dramatic literature from ancient Greece to the Renaissance, with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Students may elect this course as Dramatic Art and Speech 303. *3 Hrs.*

ENGL 304 Major Figures in World Drama: Renaissance to Modern

Survey of dramatic literature from the Renaissance to the time of Ibsen with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Students may elect this course as Dramatic Art and Speech 304. *3 Hrs.*

ENGL 306 Introduction to Creative Writing

Study of principles of creative writing, with special attention to the various forms. The course will include study of principles of writing, with special attention to observation and reflection, form and meaning, modern usage and effective expression. *3 Hrs.*

ENGL 308 Writing of Poetry

Advanced practice in writing of poetry and in scholarly criticism of contemporary poetry. This course is for serious poets with understanding of and experience in free verse and traditional forms. Prerequisite: English 306. *3 Hrs.*

ENGL 309 Chaucer and Medieval Literature

Readings in medieval English literature with emphasis on Chaucer's Canterbury Tales. Prerequisite: English 210 or permission of the instructor. *3 Hrs.*

ENGL 310 Writing of Fiction

An intensive study of the writing of short fiction, focusing on a command of point of view, plot, and the use of selective detail to evoke both character and setting. Students will be expected to write approximately 30 pages of completed work, with extensive revisions over the course of the semester. Prerequisite: English 306. *3 Hrs.*

ENGL 313 Shakespeare

Representative comedies, histories, tragedies and romances with emphasis on Shakespeare's development as a dramatic artist. Prerequisite: English 210 or permission of the instructor. *3 Hrs.*

ENGL 318 The Seventeenth Century

Study of poetry, drama and prose with emphasis on Jonson, Donne and the Metaphysicals and Milton. Prerequisite: English 210 or permission of the instructor. *3 Hrs.*

ENGL 322 Nineteenth Century British Literature

Critical study of the development of Romanticism and its influence throughout the Victorian period. Readings include poetry, nonfiction prose and the novel. Emphasis on authors, genres, or themes may change. *3 Hrs.*

ENGL 324 Nineteenth Century American Literature

Critical examination of major works and literary movements in nineteenth-century American literature, including the American "Romantics," the poetry of Emily Dickinson and Walt Whitman, the development of the American novel, the development of slave narratives and protest literature, the rise of Realism, and the development of an American literary identity. Prerequisite: English 230. *3 Hrs.*

ENGL 325 The Novel

Development of the novel as a literary form using selected works of English fiction from the 18th century to the present. *3 Hrs.*

ENGL 326 Modern British Literature

Examination of modern British literature from the turn of the century to the 1950s. Emphasis on the work of Joyce, Yeats, Shaw and the Bloomsbury Group. Central themes and technical innovations in twentieth-century poetry, fiction and drama will be explored. *3 Hrs.*

ENGL 327 Modern Drama

Study of world drama from the realism of Ibsen through naturalism, expressionism and symbolism to the current avant-garde theater. Students may elect this course as Dramatic Art and Speech 327. *3 Hrs.*

ENGL 328 Modern American Literature

Critical examination of modern American literature from the turn of the century to the present. Emphasis on Eliot, Frost, Williams, Stevens, Faulkner, Hemingway, Ellison, Malamud, Oates, Cather and Morrison. *3 Hrs.*

ENGL 332 African American Literature

Critical examination of work by African American authors and of movements within the African American literary tradition, which has developed both within and outside of dominant American culture. Topics may include the slave-narrative tradition, the Harlem Renaissance, Black protest novels, literary explorations of the African diaspora, African American literary theory, and the development of an African American literary identity. Prerequisite: English 230. *3 Hrs.*

ENGL 333 Southern Literature

Study of growth and development of the literature of the American South. The course will emphasize unique regional qualities of subject, theme and style. *3 Hrs.*

ENGL 336 Tragedy

An examination of the nature of tragedy with attention to plot, protagonist, philosophic content and effect upon audience. Models analyzed will include plays of the classic Greeks, Shakespeare, Ibsen, O'Neill, Miller and Williams. Students may elect this course as Drama 336. *3 Hrs.*

ENGL 337 Comedy

An examination of the nature of comedy with attention to plot, character, and the manipulation of language and traditional "lazzi." Models analyzed might be drawn from plays of Aristophanes, Shakespeare, Moliere, Wilde, Shaw and Neil Simon. Students may elect this course as Drama 337. *3 Hrs.*

ENGL 350 Contemporary Literature

An examination of authors, genres and movements prominent on the literary scene since 1950. Topics will vary. May be repeated once with different topic. *3 Hrs.*

ENGL 355 Special Studies in Literature: Drama, Fiction, Poetry

Intensive consideration of a single topic in drama, fiction or poetry. The topic for the course will vary from term to term and may range from a consideration of the work of a major writer to a study of a single genre or intellectual movement. May be taken twice with different subtitles. *3 Hrs.*

ENGL 455 Independent Studies in Literature: Drama, Fiction, Poetry

Independent study of a topic in drama, fiction or poetry resulting in a research paper which is evaluated by two members of the department. Open to junior and senior majors with a 3.000 average in English. Student must have taken at least six hours of upper-level English courses and have permission of the department.
2, 3 or 4 Hrs.

ENGL 460 Studies in Literature and Criticism

Student will read works of literature and interpret them in the light of modern critical theories. Readings will include critical essays and selected works by major authors. Seminar for seniors only. This course fulfills the writing-intensive course requirement. *3 Hrs.*

ENVIRONMENTAL SCIENCE

Natural science requirement. The Natural Science Requirement is met with Environmental Science 101.

ENVR 101 Environmental Science
A study of some of the environmental issues confronting our modern society. Selected scientific principles are considered to the extent necessary for a basic understanding of environmental problems, and some attention is given to the role of science and technology in the development and possible solutions of the problems. Specific topics include natural ecosystems, human population, food production, energy, transportation, water pollution and air pollution. Three hours lecture, two hours laboratory a week. Lab fee $25. *4 Hrs.*

FOREIGN LANGUAGE

A foreign language major with an option to choose one language or two languages is offered. Students may choose between French and Spanish. For specific courses descriptions, see course listings under the appropriate language.

Requirements for a B.A. degree with a major in one language are:

Thirty credit hours of courses in the language above the 100-level as approved by the major advisor. At least nine hours should be completed in foreign residency through participation in an extended International Experience study program, foreign internship or other approved foreign study program. The college-wide requirement of an internship should be in an environment related to the language of choice and may contribute up to six credits toward the major. Fulfillment of the internship requirement may be achieved either in a foreign placement or in an approved local placement. **Please note that this option is available only to those students who will commit to an overseas course of study. This option cannot be completed solely with course work on the Queens campus.**

Requirements for a B.A. degree with a major in two languages are:

Eighteen credit hours above the 100-level in each of two languages as approved by the major advisor. Six hours must be taken in either three hours of internship in each language, or a foreign study experience, or by additional course work (at another institution if necessary).

Writing-intensive course requirement. Courses which meet the writing-intensive course requirement are listed with course offerings.

FRENCH

A foreign language major with an option to choose one language or two languages is offered. Students may choose between French and Spanish. Foreign Language major requirements are listed under Foreign Language, page 115.

Writing-intensive course requirement. The writing-intensive course requirement is met with one course chosen from FREN 310 and 320.

FREN 101, 102 Elementary French I and II
Introduction to the French language with emphasis on vocabulary and listening, speaking, reading and writing skills. *3 Hrs., 3 Hrs.*

FREN 220 Intermediate French Grammar and Composition
Review and more advanced study of the language with emphasis placed on structure and the written expression of thoughts. Prerequisite: French 101 and 102 or permission of the department. *3 Hrs.*

FREN 230 Intermediate French Reading and Conversation
Review and more advanced study of the language with emphasis placed on oral use and readings of various texts. Prerequisite: French 101 and 102 or permission of the department. *3 Hrs.*

FREN 310 Advanced Grammar and Translation
A thorough review and expansion of French grammar with emphasis on translation. Prerequisite: French 220 or 230 or permission of the department. This course fulfills the writing-intensive course requirement. *3 Hrs.*

FREN 320 Advanced Composition
Application of the principles of French grammar through writing to increase fluency. This course fulfills the writing intensive course requirement. Prerequisite: French 220 or 230 or permission of the department. *3 Hrs.*

FREN 330 Reading for Comprehension and Vocabulary
Development of reading skills through the study of various journalistic, historical and literary texts in order to increase vocabulary and enhance comprehension. Prerequisite: French 220 or 230 or permission of the department. *3 Hrs.*

FREN 340 Advanced Conversation
Advanced oral training through discussions, debates and presentations with stress on pronunciation, intonation and correct modes of expression. Prerequisite: French 220 or 230 or permission of the department. *3 Hrs.*

FREN 343 **French Literary Classics**

Consideration of major literary works from various periods of French literature, chosen for their values as contribution to world literature. Works to be read in the original, papers and tests to be written in French. *3 Hrs.*

FREN 350 **French Literature**

The study of major literary works with the goal of understanding some of the important cultural, socioeconomic and political ideas that have shaped French society. Prerequisite: French 220 or 230 or permission of the department. *3 Hrs.*

FREN 360 **Issues of French Life**

The study of cultural, socioeconomic and political issues facing French-speaking countries as well as the historical trends which have shaped present-day society. Prerequisite: French 220 or 230 or permission of the department. *3 Hrs.*

FREN 370 **Topics in French Studies**

Course designed to address a specific topic or area of French studies. Topic will be announced the semester preceding the offering. Prerequisite: To be designated for each specific course offered. *3 Hrs.*

FREN 372 **Elementary Translating**

Comparative analysis of translated texts; questions of restructuring texts and adding or subtracting material; style/audience relationship; simple translations from source language to English; sight translation. *3 Hrs.*

FREN 374 **Advanced Translating**

Study of professional journals in the field of translation; specific problems of source/target language equivalents; expansion of working dictionaries; oral reports on work in progress; translating of substantial text(s) in field of specialization. Texts may be scientific, technical, commercial, scholarly or literary, depending on field of specialization. *3 Hrs.*

FREN 400 **Directed Readings in French**

Directed study of a topic requiring the use of French-language sources. Admission by consent of the instructor. *1, 2 or 3 Hrs.*

FREN 442 **Methods and Materials for Foreign Language Teaching**

Required for students who wish to teach foreign language at the secondary and/or elementary level. Study of current trends in methodology, resources, materials and strategies applicable to foreign language instruction. *3 Hrs.*

GERMAN

GERM 101, 102 Elementary German I and II
Presentation of the basic structure of the language, with emphasis on correct oral and written use of the language. *3 Hrs.*

GERM 201 Intermediate German I
Review of grammar, composition and conversation, based upon readings on the culture and civilizations of German-speaking countries. Prerequisite: German 102 or permission of the department. *3 Hrs.*

GERM 202 Intermediate German II
Continued study of grammar, composition and conversation, based upon readings on the culture and civilizations of German-speaking countries. Prerequisite: German 201 or permission of the department. *3 Hrs.*

GERM 370 Topics in German Studies
Course designed to address a specific topic or area of German studies. Topic will be announced the semester preceding the offering. Prerequisite: To be designated for each specific course offered. May be repeated with different topics. *3 Hrs.*

HISTORY

History, drawing upon nearly all fields of knowledge, helps provide a deeper understanding and perspective of the forces which influence individuals and the world around them. It trains one in the skills of research, analysis and written interpretation.

Careers. A concentration in history is an excellent general foundation for many occupations, professional careers and graduate study. It provides opportunities for careers in teaching, policy research in government and business, archives and records management, law and politics, and foreign service. Queens College is a member of the Institute of Applied History.

Teacher certification. Students majoring in history may earn certification to teach on the secondary level (grades 9-12). Refer to the Education section of the catalog for specific requirements.

Writing-intensive course requirement. The writing-intensive course requirement is met with History 300.

Requirements for the B.A. degree with a major in history are:

Core:
HIST 201 The Emergence of the West
HIST 202 The West in the World
HIST 203 The United States to 1877
HIST 204 The United States since 1877
HIST 300 Research Techniques in History
One course chosen from:
HIST 345 Religion in America
HIST 361 Ideas and Values in Conflict in History
HIST 362 Contemporary Ideas & Values
HIST 363 History of Our Time
HIST 395 Intellectual History of the United States
One 300-level U.S. history course chosen from:
HIST 325 American Foreign Policy
HIST 340 African-American History
HIST 343 The United States at War in Vietnam
HIST 346 North Carolina History
HIST 347 The Old South
HIST 348 The New South
HIST 349 The Civil War and Reconstruction
HIST 389 Topics in United States History
HIST 392 American Women
HIST 397 The United States: 1920 to 1945
HIST 398 The United States: 1945 to the Present
One 300-level European history course chosen from:
HIST 303 Ancient Greece
HIST 304 Ancient Rome
HIST 305 Medieval History
HIST 306 Renaissance and Reformation to the Enlightenment
HIST 309 Contemporary Europe
HIST 330 British History
HIST 331 Russian History
HIST 332 German History
Three additional history electives (may include the following courses as well as the U.S. and European courses listed above).
HIST 307 History of Latin America
HIST 315 Oral History
HIST 391 Topics in World History
Plus:
History majors must complete a concentration that has been approved by the department.

Prerequisites. Dependent upon the courses and noted in descriptions, History 201, 202, 203 or 204 are required except with permission of the instructor.

HIST 201 The Emergence of the West
A survey of the history of civilization from the ancient world to the European crises of the seventeenth century, with emphasis upon the political, social and intellectual development of Western civilization. *3 Hrs.*

HIST 202 The West in the World
A survey of the history of civilization from the end of the religious wars and the emergence of the great European powers to the crises of the twentieth century and nuclear age, with emphasis generally upon the political, social and intellectual development of Western civilization. *3 Hrs.*

HIST 203 The United States to 1877
Rise of an American tradition; establishment of a nation; economic and social developments; expansion and sectional controversy, war and reconstruction. *3 Hrs.*

HIST 204 The United States since 1877
Settling the West; the triumph of business; reform movements and foreign affairs; the New Deal era; the Cold War era. *3 Hrs.*

HIST 300 Research Techniques in History/Public History
Course designed for majors and minors to provide training and practice in historical research with emphasis in working with such materials as court records, deeds, wills and census returns. There will be written and oral presentations of findings. This course fulfills the writing-intensive course requirement. Prerequisite: Junior standing or permission of the instructor. *3 Hrs.*

HIST 303 Ancient Greece
An examination of Greek history from the Mycenaeans in the second millennium B.C.E. through the Hellenistic era, with special emphasis on Classical Greece (500-323 B.C.E.). Prerequisite: History 201 or permission of the instructor. *3 Hrs.*

HIST 304 Ancient Rome
A study of the history of Rome, from its founding to the disintegration of the Roman Empire in the fourth and fifth centuries C.E. Prerequisite: History 201 or permission of the instructor. *3 Hrs.*

HIST 305 Medieval History
An investigation of the thousand years known as the Middle Ages, the world of castles, cathedrals, and universities; ladies and knights; peasants and burghers, dragons and unicorns. Prerequisite: History 201 or permission of the instructor. *3 Hrs.*

HIST 306 Renaissance and Reformation
A study of the European World during the revolution of the Renaissance and Reformation. While the course focuses on the great cultural and religious issues of the time, it also examines the social, political, and economic dimensions of these two revolutionary movements. Prerequisite: History 201 or permission of the instructor. Students may elect this course as Religion 323. *3 Hrs.*

HIST 307 History of Latin America
A survey of the forces and events which have shaped Latin America experiences from the 16th century to the present. *3 Hrs.*

HIST 309 Contemporary Europe
An investigation of today's Europe, from the First World War to the present. Topics include the world wars, the holocaust, the rise and fall of the Soviet Union, the Cold War, and the rise of the European Union. Prerequisites: History 202 or permission of the instructor. *3 Hrs.*

HIST 315 Oral History
Examination of ways in which cultures were preserved in the past (folklore, folklife, handicrafts, etc.) and the study of and practice in the methodology of gathering and preserving historical information in oral form. *3 Hrs.*

HIST 325 American Foreign Policy
Major themes in the history of American diplomacy to 1945 with emphasis on their applications, modification and development in relation to America's increased responsibilities as a world power. Prerequisite: History 203 or 204 or permission of instructor. *3 Hrs.*

HIST 330 British History
An investigation of the British historical experience through the study of the key moments and personalities which have shaped British history from William the Conquorer through the Tudors and Stuarts, to the Victorians and the present. Prerequisite: History 202 or permission of the instructor. *3 Hrs.*

HIST 331 Russian History
An investigation of the Russian experience through the study of the key moments and personalities which have shaped Russian history from Kievian Russia to the present. Prerequisite: History 202 or permission of the instructor. *3 Hrs.*

HIST 332 German History
An examination of the experience of the German-speaking peoples from the devastation of the seventeenth-century Thirty Years War, through eighteenth-century Enlightenment, to the emergence of Germany as a major power in the nineteenth and twentieth centuries. Prerequisite: History 202 or permission of the instructor. *3 Hrs.*

HIST 340 African-American History
This course concentrates on the history of African Americans from the colonial period to the present. It introduces students to the historical literature concerning the course of slavery in the United States, its abolition and aftermath, as well as the experience of free blacks in the North and South. It focuses on the institutionalization of segregation and African American efforts to achieve equality in an unequal system, culminating in the civil rights movement of the recent period. Cultural history — art, literature and music — are integral to the course, as is the experience of African American women. *3 Hrs.*

HIST 343 The United States at War in Vietnam
A study of our longest war, the U.S. involvement in Vietnam (1950-1974). Special attention will be given to the critical period (1963-1973), which began with the toppling of the Ngo Dinh Diem regime and ended with the withdrawal of U.S. troops. The course will cover many facets of the conflict from a diversity of perspectives. Prerequisite: History 204. *3 Hrs.*

HIST 345 Religion in America
This course will provide students with a survey of the most important movements, people and events in American religious history from the settlement of the colonies to the present. The course will examine Protestant, Roman Catholic and Jewish traditions, as well as important cults and religious alternatives outside the traditional mainstream. Prerequisite: History 203 and 204 or permission of instructor. Students may elect this course as Religion 345. *3 Hrs.*

HIST 346 North Carolina History
A careful study of the events and personalities which have shaped North Carolina. This course permits students to become actively engaged in historical analysis by focusing on local history, and in some cases, by visiting historic sites. Prerequisite: History 203 or 204 or permission of the instructor. *3 Hrs.*

HIST 347 The Old South
This course traces the history of the South from the 1780s to 1865. In particular, it will study the social, economic, political, cultural and religious history of the old South, with special attention to the plantation system, the institution of slavery, gender relations, the sectional crisis and the Civil War. Prerequisite: History 203 or permission of the instructor. *3 Hrs.*

HIST 348 The New South
This course traces the history of the South from 1865 to the present. While political events from Reconstruction to the Civil Rights Movement frame the context, the course also examines the social and cultural context of the South through literature, art and music. It

pays particular attention to the history of race, gender and labor issues that continue to occupy Southerners today. It explores Southern stereotypes and grapples with the question of regional difference and ideology. Prerequisite: History 204 or permission of the instructor. *3 Hrs.*

HIST 349 The Civil War and Reconstruction

This course will examine the social, political, economic and cultural causes and consequences of the American Civil War and Reconstruction. The course will emphasize the African-American experience, the civilian experience, the common soldier's experience, the major military campaigns and politics. Texts and readings for the course will include, but not be limited to, the work of Bruce Catton, Archer Jones, Kenneth Stampp and Michael Perman. Prerequisite: History 203 or 204 or permission of the instructor. *3 Hrs.*

HIST 361 Ideas and Values in Conflict in History

A study of decisive intellectual and moral conflicts involving individualism, humanism, obscurantism, fundamentalism, racism, nationalism, totalitarianism, socialism, Nazism, Communism, materialism and fanaticism. Seminar format. *3 Hrs.*

HIST 362 Contemporary Ideas & Values

Like its companion seminar, History 361, this seminar investigates those ideas and values which shape human events and perspectives. This course focuses on contemporary ideas and values, that is, those issues which shape today and will shape tomorrow. While History 361 is an excellent preparation for this course, it is not a prerequisite. Prerequisite: History 201 or 202 or permission of the instructor. *3 Hrs.*

HIST 363 The History of Our Time

This seminar is an exercise in the historical imagination. It considers those events and persons which dominate today's headlines, and considers them from an historical perspective. Specific themes will vary from semester to semester, but may include, for example, investigations of world conflicts, political controversies, social and economic developments, and cultural debates. Prerequisite: History 201 or 202 or permission of the instructor. *3 Hrs.*

HIST 389 Topics in United States History

Topics are announced annually. Prerequisite: History 203 or 204 or permission of the instructor. *3 Hrs.*

HIST 391 Topics in World History

Topics announced annually. Prerequisite: History 201 or 202 or permission of the instructor. *3 Hrs.*

HIST 392 American Women
Derived from primary sources of women themselves, this study examines the central role of women in U.S. history. The study focuses on the period 1830 to the present, with particular attention given to race, region and class. *3 Hrs.*

HIST 395 Intellectual History of the United States
Study of the intellectual tradition of the nation and the unique synthesis of ideas that has characterized American thought. Through examination of a cross-section of the works of major intellectual figures and explorations of the modes of thought of various generations, the course aims to provide students with deeper insights into the development of the American mind. Among topics under consideration are: the Puritan Mind, the American Enlightenment, ideas of the New Republic, the Mind of the South, individualism, pragmatism, conservatism and reform. Seminar format. Prerequisite: History 203 or 204 and junior standing. *3 Hrs.*

HIST 397 The United States: 1920 to 1945
The domestic history of the United States from 1920 to 1945; stress placed on diverse cultural and intellectual developments with special attention to the strain of social change and the subsequent responses of the institutions and movements. Prerequisite: History 204 or permission of the instructor. *3 Hrs.*

HIST 398 The United States: 1945 to the Present
The domestic history of the United States during the post-World War II years; stress is placed on the 1950s and 1960s and the intellectual, cultural and social ferment from that period to the present. Prerequisite: History 204 or 397 or permission of the instructor. *3 Hrs.*

HIST 449 Directed Readings in History
Independent investigation of a topic through a program of directed readings. There will be an interpretive paper and oral examination conducted by department members. Open to majors with a B average in history after departmental approval of the topic. *1, 2 or 3 Hrs.*

HIST 450 Independent Study in History
Independent investigation of a topic through the writing of a research paper; oral examination conducted by department members. Open to majors with a B average in history after departmental approval of the topic or project. *1, 2 or 3 Hrs.*

HONORS PROGRAM

The Queens College Honors Program is designed for the academically talented student to provide as high a degree of freedom and individual challenge as possible.

Each year all students enrolled for a minimum of 12 hours who maintain a cumulative grade-point average of 3.000 or higher are designated “Eligible for Honors.” These students are permitted and encouraged to participate in the Honors Program. Students with grades of Incomplete are ineligible for honors unless granted special permission by the Honors Committee. Transfer students must spend one regular term at Queens before becoming eligible for honors.

Honors Courses. Students wishing to do independent honors work as part of a course (In-Course Honors) or as a directed reading or study (Honors 250, 350) must submit a written proposal with bibliography to the Honors Committee for approval. These proposals are due no later than the pre-registration period for the term in which they are to be undertaken.

In-Course Honors:

HONR 199	Open to students in 100-level courses.	*1 Hr.*
HONR 299	Open to students in 200-level courses.	*1 Hr.*
HONR 399	Open to students in 300-level courses.	*1 Hr.*
HONR 499	Open to students in 400-level courses.	*1 Hr.*

In-Course Honors is an opportunity for the student to pursue additional work in a course in which he or she is enrolled. The nature of the work is decided upon by the student and the instructor in whose course the work is to be taken. The student’s work must consist of special readings; in addition, a written report is ordinarily required. The paper must be submitted in triplicate to the Honors Committee for the student to receive credit. The grade is determined by the instructor. Each of these courses may be repeated for additional credit.

HONR 110 Argument

This accelerated version of English 110 develops students’ critical thinking and writing skills through the study of argumentation and an introduction to research methods. *3 Hrs.*

HONR 120 Writing About Literature

This accelerated version of English 120 further develops students’ critical thinking, writing and research skills through the study of literary genres. *3 Hrs.*

HONR 230, 240 Honors Colloquium

Interdisciplinary colloquia will take place during both semesters of each academic year. Events will be coordinated with other on-campus events (visiting speakers, panels, films, etc.). Students will receive materials prior to designated events and will discuss these materials with visiting speakers and selected on-campus scholars. Students will be required to attend at least six such events each semester. *2 Hrs., 2 Hrs.*

HONR 250 Directed Readings
This course is open to second-semester freshmen, sophomores, juniors and seniors. Honors 250 provides an opportunity to explore, under supervision of a faculty member, related writings in a field of special interest. No paper is required. An oral examination will be conducted by faculty members selected by the Honors Committee. The grade is determined by the faculty examination committee and the supervisor. Honors 250 may be repeated for additional credit. *1, 2 or 3 Hrs.*

HONR 350 Directed Study
This course is open to juniors and seniors. Honors 350 is a detailed study of a topic of special interest, resulting in a paper and oral examination. The work is done under the direction of a faculty member with the joint supervision and evaluation of the Honors Committee. The paper must be submitted in triplicate to the Honors Committee. The student will appear before the committee for an oral examination. The grade is determined by the Honors Committee and the faculty supervisor. Honors 350 may be repeated for additional credit. *1, 2, 3 or 4 Hrs.*

HONR 490-491
These courses are open to seniors who have completed five hours of honors work with no more than four hours taken from In-Course Honors. This is an opportunity for extended research in a field of special interest, resulting in a paper and oral defense before an examining committee composed of the Honors Committee and faculty members chosen jointly by the student and the thesis advisor. A detailed proposal of research must be submitted in six copies to the Honors Committee for approval by April 20 of the student's junior year. The student will appear before the committee shortly after submitting this proposal to discuss the project, if necessary. Final approval of the proposal or suggested changes will be made at this meeting. A grade of P/NR will be assigned for Honors 490 until Honors 491 has been completed. The thesis must be submitted to the committee in triplicate upon completion in Term II. The student will appear before the committee for an oral defense of the thesis. The grade is determined by the Honors Committee, the advisor of the thesis and the chairperson of the department in which the work is done. The phrase "With Honors Thesis" is printed on the diploma of a student who successfully completes these two courses. *4, 5, 6 Hrs.*

INTERDISCIPLINARY STUDIES

American Studies

American studies is an interdisciplinary major that combines literature, history, political science, art and many other disciplines in an examination of the distinctive character and achievements of American culture. American Studies attempts to trace the historical and cultural threads that link together such figures as Thomas Jefferson and Martin Luther King, Mark Twain and Elvis Presley, or Georgia O'Keefe and the cartoonist Art Spiegelman. American Studies fosters broad-ranging analytical skills and an understanding of the forces that have shaped our society today. It offers broad preparation for a range of different careers, for law school, or for graduate work in literature, history or American Studies itself.

Requirements for the B.A. degree with a major in American studies are:

Core:

LLRN 210	American Experience (serves as a foundation and introduction to the American Studies major but may not count for credit in the major since this course (or its equivalent) is required of all students)
ENGL 230	Survey of American Literature
HIST 203	The United States to 1877
HIST 204	The United States since 1877

Choose one of the following:

POLS 201	American Politics
SOCI 203	Principles of Sociology

Choose one of the following:

ART 307	Art in the United States
MUSC 200	Pop Music in America

Senior Thesis:

AMST 496, 497	Senior Thesis Preparation, Senior Thesis

Tracks:

Complete a total of 15 hours in at least two disciplines in one of the tracks listed below and three hours in the other track.

American Culture and the Arts Track

ENGL 328	Modern American Literature
ENGL 332	African American Literature
ENGL 324	Nineteenth Century American Literature
HIST 395	Intellectual History of the United States
MUSC 200	Pop Music in America
RELG 345	Religion in America
or	
HIST 345	Religion in America
PHIL 255	American Philosophy
COMM 110	Introduction to Mass Communications
ART 415	Art since 1945

American History and Politics Track

HIST 340	African-American History
HIST 347	The Old South
HIST 348	The New South
HIST 392	American Women
POLS 313	Constitutional Law and the Judicial System
POLS 326	Contemporary American Foreign Policy
RELG 345	Religion in America
ECON 355	Capitalism

AMST 496, 497 Senior Thesis Preparation, Senior Thesis
During the senior year, a major in American Studies will choose a thesis advisor from among the faculty teaching courses listed in the American Studies major. This advisor will direct the student in an independent study over the course of two semesters, leading to the completion of an interdisciplinary thesis in American Studies in the second semester. At the end of the second semester, the thesis will be evaluated by a committee of three faculty members, including the thesis advisor. This evaluation may include an oral presentation by the student. A grade of K will be assigned for American Studies 496 until American Studies 497 has been completed. Prerequisite: Senior American Studies major. *1 Hr., 2 Hrs.*

Comparative Arts

The comparative arts interdisciplinary major focuses upon interactions among the various arts — visual arts, music, theatre/ drama and literature — within their cultural contexts. It is directed toward the more academically inclined student, with critical examination of the art forms in relation to religious, philosophical, social and economic conditions.

Requirements for the B.A. degree with a major in comparative arts are:

Core:
Introductory courses:

ART 101	Introduction to Art
MUSC 100	Introduction to Music
ENGL 201	Introduction to Literature

History/Criticism courses:

Choose three courses from two areas of visual arts, comparative music, literature, drama/theatre. See approved list of courses below. Courses chosen must be from outside the area of concentration*

Cognate courses:

Four courses from non-arts areas. See approved list of courses below.

Senior Research:

CART 498	Senior Research

Plus complete the comparative arts concentration.

*Area of concentration:

Student will choose an area of concentration from visual arts, music, literature or drama/theatre. Requirements for the area of concentration are:

Four history/criticism courses (at least two courses must be at or above the 300-level) and

Two studio courses.

Courses for the concentration will be determined by the Comparative Arts advisor in consultation with appropriate department heads.

History/criticism courses for comparative arts majors

Area: Art
ART 215 Ancient to Early Renaissance Art
ART 216 High Renaissance Art to the Present Time
ART 307 Art in the United States
ART 315 Art of the Modern Era, 1870 to Present
ART 345 Art and Religion in the West
ART 415 Art Since 1945
ART 407 Topics in Art History
Area: Music
MUSC 200 Pop Music in America
MUSC 321 Music History and Literature I
MUSC 322 Music History and Literature II
MUSC 407 Topics in Music History and Literature
Area: Drama/theatre
DRAM 231 History of Film
DRAM 233 Television History and Criticism
DRAM 303 Major Figures in World Drama: Ancient Greece to the Renaissance
DRAM 304 Major Figures in World Drama: Renaissance to Modern
DRAM 327 Modern Drama
DRAM 336 Tragedy
DRAM 337 Comedy
DRAM 355 Topics in Dramatic Literature
Area: Literature
ENGL 210 British Literature to 1660
ENGL 220 British Literature, 1660 to Present
ENLG 230 Survey of American Literature
ENGL 300 World Literature
ENGL 303 Major Figures in World Drama: Ancient Greece to the Renaissance
ENGL 304 Major Figures in World Drama: Renaissance to Modern
ENGL 309 Chaucer and Medieval Literature
ENGL 313 Shakespeare
ENGL 318 The Seventeenth Century
ENGL 322 Nineteenth Century British Literature
ENGL 324 Nineteenth Century American Literature
ENGL 326 Modern British Literature
ENGL 327 Modern Drama
ENGL 328 Modern American Literature
ENGL 332 African American Literature
ENGL 333 Southern Literature
ENGL 336 Tragedy
ENGL 337 Comedy
ENGL 350 Contemporary Literature
ENGL 355 Special Studies in Literature: Drama, Fiction, Poetry

Cognate courses for comparative arts majors

History

HIST 201	Western Civilization to 1650
HIST 202	Western Civilization Since 1650
HIST 203	The United States to 1877
HIST 204	The United States since 1877

Philosophy/Religion

PHIL 203	Introduction to Philosophy
RELG 205	The Old Testament
RELG 206	The New Testament
RELG 210	Introduction to World Religions

These courses have been chosen from the core offerings of the two departments. There are, however, numerous other offerings that students might select, with the approval of the Comparative Arts major advisor, depending upon that student's special interests. An interest in religious art, for example, would profit from such courses as PHIL 220, Philosophy of Religion, and HIST 345 or RELG, Religion in America; an interest in medieval art suggests RELG 230, Ancient and Medieval Western Philosophy, and HIST 305, Medieval History; and for those with geographic orientations, such courses as HIST 322, German History. Those who view the arts within their intellectual frameworks would surely choose HIST 361, Ideas and Values in Conflict. And, indeed, we might discover courses outside the humanities areas — cultural anthropology, sociology, political science, etc. — that in special cases would enhance the student's understanding of the arts. The ruling principle in the selection of courses is that flexibility, which enables the student to explore productive avenues, be balanced by control — the assurance, provided by careful advising, that those selections are coherent.

CART 498 Senior Research

This course is a critical examination of an inter-arts subject, to be chosen by the student in conjunction with his/her advisor. Prerequisite: Senior standing. *3 Hrs.*

International Studies

The international studies major emphasizes an interdisciplinary study of global issues and geographical regions of the world and encourages an appreciation of other cultures. Courses provide analytical and linguistic development. Specialization in Europe or developing countries is offered. A residency requirement allows the student to study the language and culture of their choice.

Requirements for the B.A. degree with a major in international studies are:

Core:

LLRN 220	Global Issues (serves as a foundation and general introduction to the International Studies major but may not count for credit in the major since this course or its equivalent is required of all students)
INTS 220	Models of International Studies
HIST 202	The West in the World
RELG 210	Introduction to World Religions
POLS 250	Introduction to Comparative Politics
ECON 203	Principles of Macroeconomics

Language requirement:

Six credit hours in a foreign language. For European languages, these six credit hours need to be at the 300 level or above. For East Asian languages, they need to be at the 200 level or above. This requirement may be fulfilled by taking courses at another university approved by Queens College or by the foreign residency.

Area study:

Every student should select a track of study consistent with his/her language study and interests, and take a minimum of 15 credit hours selected from the course offerings. Note that certain courses are required and some courses have prerequisites. Portions may be fulfilled by the foreign residency. European and Developing Countries Tracks are listed below.

Residency:

A student majoring in International Studies fulfills a residency requirement in a location appropriate to the chosen area of concentration. This residency should consist of not less than seven weeks of a program designed to teach students language and culture.

The International Studies Advisory Committee (ISAC) assists majors in planning for the residency and must approve all proposed residency programs. The ISAC will consult with the student during the residency and, in consultation with the regisrar, will determine the academic credit to be transferred or awarded for the residency when the student returns. Academic credit earned in a foreign residency program may be used to satisfy other requirements in the major.

A student may fulfill the residency requirement by participating in one of the following:

1. Any extended language immersion program offered by Queens College through the International Experience Program Office;
2. An international internship of not less than 8 weeks;
3. A program such as those offered by the Council on International Educational Exchange (CIEE);
4. A program consistent with the student's area and language studies offered by a foreign educational institution. Academic credit earned in a foreign residency program may be used to satisfy other requirements in the major.

Trexler College Center — the hub of College activity.

Area study tracks for international studies major

European Track

HIST 309	Contemporary Europe

Plus: choose four courses from the following:

ART 216	High Renaissance Art to the Present Time
or	
ART 315	Art of the Modern Era, 1870 to the Present
ENGL 200	Introduction to World Literature
or	
ENGL 326	Modern British Literature
BUSN 420	International Business
or	
ECON 454	International Trade
HIST 330	British History
or	
HIST 331	Russian History
or	
HIST 332	German History
PHIL 304	Modern Philosophy
POLS 301	European Political Systems
MUSC 322	Music History and Literature II

Developing Countries Track

Choose five courses from the following:

HIST 307	Latin American History
INTS 303	Topics in Developing Countries
POLS 306	Politics of Developing Countries
POLS 305	Asian Politics and Society
SPAN 360	Issues in Hispanic Life
POLS 425	Chinese Politics
BUSN 420	International Business
or	
ECON 454	International Trade

INTS 220 Models of International Studies

This course introduces students to methodologies for studying global issues. It requires a project that utilizes a framework in the student's area of interest and draws on materials introduced in Liberal Learning 220. Students are encouraged to take International Studies 220 concurrently with Liberal Learning 220 (or concurrently with its substitution). Students who have already taken Liberal Learning 220 or its equivalent may also register for this course. *1 Hr.*

INTS 303 Topics in Developing Areas

A rotating topics course that would permit more in-depth studies of a topic, issue or area. Prerequisite: Liberal Learning 220 or permission of instructor. *3 Hrs.*

Philosophy/Religion

Requirements for the Philosophy/Religion major are listed in the Philosophy section of this *Catalog.*

Interdisciplinary Studies

IDST 200 Interdisciplinary Studies

An interdisciplinary course examining a major contemporary issue, offered in response to student and faculty interest. Credit as elective only. *3 Hrs.*

IDST 300 Interdisciplinary Studies

An interdisciplinary course examining a major contemporary issue, offered in response to student and faculty interest. Credit as elective only. *3 Hrs.*

IDST 450 Interdisciplinary Senior Thesis

Designed primarily for students who are engaged in interdisciplinary study at the advanced level. The project is supervised and evaluated by the student's major advisor and at least one person from another department. Open only to seniors. Students pursuing an honors degree should plan to take Honors 490 instead of Interdisciplinary Thesis 450. *3 Hrs.*

INTERNATIONAL EXPERIENCE PROGRAM STUDIES

IEPS 210 International Experience Program Study Tour Preparation

Study of the culture, history, politics, geography, economy, society and language of the area upon which the study tour focuses. Grading is pass/no record. Open only to students enrolled in the appropriate study tour. Prerequisite to participation in the study tour. Prerequisite: Junior standing and a 2.000 cumulative grade-point average. *1, 2 Hrs.*

IEPS 220 International Experience Program Study Tour

The opportunity for the student to study and experience a foreign culture through a study tour program arranged by the college and led by Queens faculty. Grading is pass/fail. Prerequisite: International Experience Program Studies 210. *1, 2 or 3 Hrs.*

IEPS 250 International Experience Academic StudyTour
The opportunity for the student both to study and to experience a foreign culture through a course which combines a study tour with relevant study of a specific topic or region (its culture, history, politics, geography, economy, society and language). The study tours are arranged by the College and led by Queens faculty. Prerequisites: Junior standing and a 2.000 cumulative grade point average. *3 or 4 Hrs.*

INTERNSHIPS

To fulfill the internship graduation requirement, a student must complete the "Preparing for Participation" phase of the internship program and successfully complete 260 hours' work experience with a professional organization. In addition to the work component, students are required to participate in six seminars designed and facilitated by faculty, the Internship Director and the Career Center Director; maintain a journal and a log of hours worked; conduct at least three professional career information interviews; complete a reflective paper; and make a final presentation.

"Preparing for Participation" is a seven-step process which takes place during the fall and/or spring semester preceding the internship work experience. The internship work experience takes place during consecutive fall and spring semesters. During the first semester of the experience the student will register for INTE 498, Professional Internship I, and complete at least 130 hours of the work experience; during the second semester the student will register for INTE 499, Professional Internship II, and complete the remaining hours of the work experience. INTE 498 is normally the fall semester course and INTE 499 is normally the spring semester course.

INTE 299 Exploratory Internship
Exploratory internships are available to students regardless of major. Exploratory internships provide students with the opportunity to explore various career options. Students will observe a professional and may assist in a limited capacity, but do not assume a professional role. Students will be supervised by persons employed in the selected setting and by a faculty internship instructor. Available only through the end of the 1996-97 academic year. This course will not fulfill the internship graduation requirement. *1, 2 or 3 Hrs.*

INTE 498 Professional Internship I
The first course of the two-consecutive semester internship program. This course is normally the fall semester internship work experience with a professional organization in the student's field of interest. In addition to a minimum of 130 hours work experience, the student is required to participate in three seminars designed and facilitated by faculty, the Internship Director and the Career Center Director; maintain a journal and a work hours' log; and conduct at least one professional career information interview. Students who enroll in this course must enroll in INTE 499 the following term. Prerequisite: Completion of the "Preparing for Participation" phase of the internship program. Grading is Pass/Fail for all students enrolled. *3 Hrs.*

INTE 499 Professional Internship II
The second course of the two-consecutive semester internship program. This course is normally the spring semester internship component of the work experience. Students will continue to work with the same organization as in INTE 498. In addition to a minimum of 130 hours work experience, the student is required to participate in three seminars designed and facilitated by faculty, the Internship Director and the Career Center Director; maintain a journal and a work hours' log; complete two professional career information interviews; prepare a paper; and make a final presentation. Prerequisite: Internship 498. Grading is Pass/Fail for all students enrolled. *3 Hrs.*

LANGUAGE

LANG 101, 102 Elementary Foreign Language I and II
Fundamentals of grammar and phonetics, reading, writing and conversation. This course will be offered on a rotating topics basis as demand and faculty with sufficient credentials dictate. Languages that may be offered include Latin, Greek, Hebrew, Japanese, Chinese, Portuguese, Arabic, etc. *3 Hrs.*

LANG 201, 202 Intermediate Foreign Language I and II
Review and more advanced study of a language with emphasis placed on structure and written and oral use. Introduction to the country's culture. *3 Hrs., 3 Hrs.*

LIBERAL LEARNING

The Foundations of Liberal Learning Program at Queens College consists of a sequence of five courses. Participation in all five courses is required of all full-time candidates for undergraduate degrees in the College of Arts and Sciences.

The aim of Liberal Learning is to encourage a “complex imagination,” an intellectual energy which actively strives to connect, inter-relate and integrate human experience. In the Foundations of Liberal Learning Program, both students and teachers consider human experience as a whole, not as a set of isolated segments, and they work to connect experience across disciplines, through past, present and future and across cultures. In all the Liberal Learning courses, the focus is on active learning, small group work, creative problem-solving and ethical reflection.

LLRN 105 College Reading

This course is designed to help students build skills in reading college-level course materials. Students will learn how to recognize typical patterns of organization in textbooks, how to identify the main idea and subtopics in reading passages, and how to draw conclusions based on implied meanings. Students will regularly apply what they have learned to reading and studying texts assigned in Liberal Learning 110. Enrollment in this course requires permission from the instructor. Co-requisite: Liberal Learning 110. *2 Hrs.*

LLRN 110 Individual and Community

Study begins with the person, seen as a unity of body, mind and spirit. This course considers issues such as biological and psychological growth as well as character, identity and commitment. It also focuses on the process of developing and testing hypotheses and on the analysis of arguments. Materials studied reflect the diversity and complexity of the human person. *4 Hrs.*

LLRN 120 Arts and Community

The second semester of liberal learning concentrates on connections between the fine arts (of architecture, sculpture, painting, music and film) and communities or societies, past or present, in which the arts once flourished or now flourish. Emphasis is placed on the basic terminology required to describe and discuss each of the aforementioned arts. These new vocabularies are then applied to masterpieces from a number of important “cultural moments” throughout history. How do the arts represent a given community or society in a particular era? How have the arts been funded? How and why have they been criticized or suppressed? Throughout the semester, connections are made with the art and culture of Charlotte today. *4 Hrs.*

LLRN 210 The American Experience

The third semester of Liberal Learning studies the culture, politics, and society of the United States. It examines the myths and values that resonate through American society, the way that American culture reflects the racial and ethnic diversity of the nation, the triumphs and the inherent difficulties of the American political system, and the socio-economic structure of American society. Special emphasis is placed on developing the analytical and communication skills that are necessary to engage in civic discourse. Liberal Learning 210 also functions as an introduction to Queens' American Studies major. *4 Hrs.*

LLRN 220 Global Issues

The fourth semester of Liberal Learning expands the focus of the program even wider to incorporate person, community and nation within an international framework. Many of the issues directly affecting human flourishing (such as the international economy, ecology, war and peace, and the protection of human rights) have a crucial global and Third World dimension. *4 Hrs.*

LLRN 410 Ethics and Action

The fifth and final semester of Liberal Learning returns to the person and the nature of human flourishing, the person now seen as an ethical actor living within community, nation, world and influenced by worldviews. *3 Hrs.*

MATHEMATICS

It is the nature of mathematics to examine concepts from nearly all areas of thought using a uniquely abstract and deductive approach. Although mathematical investigation often involves the use of expressions which represent numbers, many of the discoveries of the discipline extend beyond the quantitative.

Mathematics competency. Upon entry into the College of Arts and Sciences, all students will be required to take a mathematics placement test. On the basis of the placement test results and their previous academic record, students will be placed in one of the following three categories:

Category A: Not required to take mathematics courses as a general college requirement; if student does take a mathematics course, placement is MATH 121 or above.

Category B: Required to successfully complete either MATH 104, MATH 105 or MATH 111.

Category C: Required to successfully complete either MATH 104, MATH 105 or MATH 111. Completion of MATH 099 is suggested before enrolling in MATH 104, MATH 105 or MATH 111.

Careers. The Department of Mathematics offers courses which reflect the general nature of mathematics. The student majoring in mathematics can choose a program which provides preparation for teaching at the secondary school level, continuing the study of mathematics in graduate school or pursuing the many opportunities in interdisciplinary areas such as sociology, psychology and biology. In addition, a rigorous training in mathematics or applied mathematics is excellent intellectual training for a wide variety of careers.

Teacher certification. Students majoring in mathematics may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Catalog* for specific requirements.

Writing-intensive course requirement. The writing-intensive course requirement is met with Mathematics 401.

The requirements for the B.A. degree with a mathematics major are:

Core:

MATH 121	Calculus I
MATH 122	Calculus II
MATH 221	Calculus III
MATH 303	Linear Algebra
MATH 401	Modern Algebra
MATH 405	Probability and Statistics
MATH 415	Real Variables
MATH 496	Senior Seminar Preparation
MATH 497	Senior Seminar

Plus two courses chosen from:

MATH 206	Statistical Method
MATH 209	Discrete Mathematics
MATH 304	Geometry
MATH 311	Differential Equations
MATH 343	Number Theory
MATH 409	Numerical Analysis
MATH 417	Complex Analysis
MATH 430	Topics in Mathematics

MATH 099 Basic Mathematics

This is a developmental mathematics course including topics generally found in high school algebra II. Credit for this course may not be used toward graduation. *3 Hrs.*

MATH 104 Mathematical Ideas

The course will explore topics selected from number theory, probability theory, topology and set theory. In addition, such areas as logic, modern geometries, chaos theory and fractals may be addressed. Throughout, unifying concepts of investigation, conjecture, counter examples and applications will be stressed. Prerequisite: Mathematics 099 or satisfactory performance on the mathematics placement test. *3 Hrs.*

MATH 105 Finite Mathematics

Systems of equations, matrices, coordinate systems and graphs, and an introduction to linear programming, stochastic matrices, the mathematics of finance, difference equations and mathematical models. Topics are applied to illustrate the uses of finite mathematics in other disciplines. Prerequisite: Mathematics 099 or satisfactory performance on the mathematics placement test. *3 Hrs.*

MATH 111 Precalculus

Topics will include functions and their graphs, exponential and logarithmic functions, trigonometric functions, trigonometric equations, the theory of polynomials, systems of equations, sequences and analytic geometry. Prerequisite: Mathematics 099 or satisfactory performance on the mathematics placement test. *3 Hrs.*

MATH 121 Calculus I

An integrated treatment of analytic geometry and limits, continuity of functions, differentiation of algebraic and trigonometric functions, applications of derivatives to extreme values and curve sketching, the fundamental theorems of integral calculus and an introduction to integration. Prerequisite: Mathematics 111 or consent of the mathematics department. *3 Hrs.*

MATH 122 Calculus II

The calculus of transcendental functions, indeterminate forms and l'Hopital's rule, applications and techniques of integration, improper integrals and infinite series, including Taylor and Maclaurin series. Prerequisite: Mathematics 121. *3 Hrs.*

MATH 206 Statistical Methods

An introduction to data analysis and statistical concepts. Interpretation and calculations for description of single variables and simple regression, basic probability, random variables, confidence intervals and tests of hypotheses. Computer software is introduced. Prerequisite: One course from Mathematics 104, 105 or a course above the 105 level. *3 Hrs.*

MATH 209 Discrete Mathematics

A rigorous treatment of relations, functions, set theory, Boolean algebra, logic and methods of proof, the binomial theorem, combinatorics, elements of number theory and recursion. Pre- or co-requisite: Mathematics 122. *3 Hrs.*

MATH 221 Calculus III

Conic sections and polar coordinates, vectors and analytic geometry in space, vector-valued functions, multi-variable functions and their derivatives, multiple integrals and the theorems of Green and Stokes. Prerequisite: Mathematics 122. *5 Hrs.*

MATH 303 Linear Algebra

Coordinate geometry, vectors and three-dimensional geometry, matrices and determinants, linear transformations. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 304 Geometry

Modern approach to the study of Euclidean and non-Euclidean geometries, including incidence and affine geometries; designed especially for students preparing to teach. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 311 Differential Equations

This course is designed to introduce the student to differential equations and their applications. In addition to studying the theoretical aspects of differential equations, students will also examine numerical methods and solutions with the use of the existing computer facilities and software. Prerequisite: Mathematics 221. *3 Hrs.*

MATH 343 Number Theory

The structure of the integers and rational numbers and integer solutions of various types of equations; algorithms and theorems relating to the properties of division, the factorization of integers into primes and the rational approximation of irrational numbers. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 401 Modern Algebra

Introduction to abstract algebra. Topics include basic properties of integers, permutation groups, subgroups, quotient groups, group isomorphisms and homomorphism, rings and ideals. This course fulfills the writing-intensive course requirement. Prerequisite: Mathematics 303. *4 Hrs.*

MATH 405 Introduction to Probability and Mathematical Statistics

Introductory study of probability as a mathematical system. Topics include set theory and probability, conditional probability, random variables and distributions, expectation, and special discrete and continuous probability distributions. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 409 Numerical Analysis

Roots of algebraic and transcendental equations, the numerical solution of differential equations, initial value problems for ordinary differential equations and approximation theory. Prerequisite: Mathematics 311. *3 Hrs.*

MATH 415 Introduction to Real Variable Theory
Careful axiomatic development of the real number system, limits of functions and real sequences, continuity, theory of differentiation and integration. Prerequisite: Mathematics 209, 221. *3 Hrs.*

MATH 417 Introduction to Complex Analysis
Development of the theory of complex numbers and functions, power series, Cauchy's theorem and applications, harmonic functions and conformal mapping. Prerequisite: Mathematics 415. *3 Hrs.*

MATH 430 Topics in Mathematics
This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles. Prerequisite: One year of college mathematics. May vary with topic. Lecture hours vary with the hours credit and the course taught. *1, 2, 3 or 4 Hrs.*

MATH 450 Independent Studies in Mathematics
Research projects in the area of the student's interest; written report will be required. May be repeated for credit. Prerequisite: Open to advanced students with permission of the instructor. *1, 2 or 3 Hrs.*

MATH 496 Senior Seminar Preparation
Each senior will be assigned an advisor from the mathematics faculty, with whose guidance the senior will read in a mathematical area and select the topic for a paper to be written in the spring semester. A grade of K will be assigned for Mathematics 496 until Mathematics 497 has been completed. Prerequisite: Senior standing. Fall semester only. *1 Hr.*

MATH 497 Senior Seminar
Each senior will complete the paper for which preparatory work was done during the fall semester. The paper will be presented in the senior seminar and a written version of the paper may be housed in the library. Prerequisite: Mathematics 496. Spring semester only. *2 Hrs.*

Music

The Music Department seeks to provide superior training for students interested in pursuing a professional music career, including preparation for such positions as performer, music therapist or research scholar. It also aims to provide opportunities for persons minoring in music or majoring in other fields to develop special musical abilities in an atmosphere that focuses upon the individual student's abilities, needs and interests. The Music Department feels that it is most important to ensure that all students have the opportunity to become more musically literate and to foster in them a lifelong appreciation for music. The department endeavors to approach all musical learning within the context of the totality of all knowledge, integrating the musical experience with outside learning and knowledge. As a part of its outreach program, it provides private instruction and music therapy sessions to individuals in the community ranging from pre-school to adults in the Queens Music Academy. The Music Department seeks to provide opportunities to hear a variety of live musical performances of superior quality by the entire community involving performances by campus ensembles and individuals as well as groups from the community and professional performing world. Through its contacts with local professional groups, arrangements can be made for students to study any standard orchestral instrument, including those not listed specifically in this section.

Writing-intensive course requirement. The writing-intensive course requirement for the B.A. degree with a major in music or the B.M. degree with an instrumental performance or voice major is met with Music 455. The writing-intensive course requirement for the Bachelor of Music degree in applied music is met with Music 455. The writing-intensive course requirement for the B.M. degree with a major in music therapy is met with either Music 409 or 410.

Requirements for the B.A. degree with a music major are:

Core:
MUSC 103 Theory and Composition I
MUSC 104 Theory and Composition II
MUSC 113 Sight-Singing and Ear-Training I
MUSC 114 Sight-Singing and Ear-Training II
MUSC 203 Theory and Composition III
MUSC 204 Theory and Composition IV
MUSC 213 Sight-Singing and Ear-Training III
MUSC 214 Sight-Singing and Ear-Training IV
MUSC 321 Music History and Literature I
MUSC 322 Music History and Literature II
MUSC 455 Seminar in Applied Analysis
Plus:
MUSC 310 Conducting
Ensemble (Choir or Band) (*2 Hrs.*)
Applied Music (1 instrument) (*4 Hrs.*)
Music Elective (*3 Hrs.*)

Requirements for the B.M. degree with an instrumental performance major are:

Core:
MUSC 103 Theory and Composition I
MUSC 104 Theory and Composition II
MUSC 113 Sight-Singing and Ear-Training I
MUSC 114 Sight-Singing and Ear-Training II
MUSC 203 Theory and Composition III
MUSC 204 Theory and Composition IV
MUSC 213 Sight-Singing and Ear-Training III
MUSC 214 Sight-Singing and Ear-Training IV
MUSC 321 Music History and Literature I
MUSC 322 Music History and Literature II
MUSC 455 Seminar in Applied Analysis
Plus: (for non-piano)
MUSC 406 Topics in Music History and Literature
MUSC 310 Conducting
MUSC 399 Half-Recital
MUSC 400 Senior Recital
Ensemble *(6-8 Hrs.)*
Secondary Applied Area *(4 Hrs.)*
Electives *(7 Hrs.)*
Plus: Applied Instrument Concentration
Applied Instrument Courses *(21-24 Hrs.)*

Or:

Plus: (for piano)
MUSC 310 Conducting
MUSC 399 Half-Recital
MUSC 400 Senior Recital
MUSC 413 Advanced Piano Pedagogy and Literature
MUSC 414 Advanced Piano Pedagogy and Literature
Ensemble *(6-8 Hrs.)*
Applied piano *(21-24 Hrs.)*
Secondary Applied Area *(4 Hrs.)*
Electives *(7 Hrs.)*
Plus: Applied Piano Concentration
Applied Piano Courses *(21-24 Hrs.)*

Requirements for the B.M. degree with a voice major are:

Core:
MUSC 103 Theory and Composition I
MUSC 104 Theory and Composition II
MUSC 113 Sight-Singing and Ear-Training I
MUSC 114 Sight-Singing and Ear-Training II
MUSC 203 Theory and Composition III
MUSC 204 Theory and Composition IV
MUSC 213 Sight-Singing and Ear-Training III
MUSC 214 Sight-Singing and Ear-Training IV
MUSC 321 Music History and Literature I
MUSC 322 Music History and Literature II
MUSC 455 Seminar in Applied Analysis
Plus:
MUSC 215 Diction for Singers (English, Latin and Italian)
MUSC 216 Diction for Singers (French and German)
MUSC 310 Conducting
MUSC 324 Vocal Pedagogy and Literature
MUSC 399 Half-Recital
MUSC 400 Senior Recital
Ensemble *(6-8 Hrs.)*
Secondary Applied Area *(4 Hrs.)*
Electives *(7 Hrs.)*
Plus: Applied Voice Concentration
Applied Voice Courses *(21-24 Hrs.)*
Plus:
Foreign Language *(0-12 Hrs.)*

Requirements for the B.M. degree with a music therapy major are:

Core:
MUSC 103 Theory and Composition I
MUSC 104 Theory and Composition II
MUSC 113 Sight-Singing and Ear-Training I
MUSC 114 Sight-Singing and Ear-Training II
MUSC 203 Theory and Composition III
MUSC 204 Theory and Composition IV
MUSC 213 Sight-Singing and Ear-Training III
MUSC 214 Sight-Singing and Ear-Training IV
MUSC 321 Music History and Literature I
MUSC 322 Music History and Literature II
MUSC 455 Seminar in Applied Analysis
Plus: Choose one of the following:
MUSC 100 Introduction to Music
MUSC 200 Pop Music in America
MUSC 207 Music in America
Plus:
MUSC 195 Functional Piano Class I
MUSC 196 Functional Piano Class II
MUSC 211 Music Therapy Methods and Materials for Children
MUSC 217 Introduction to Music Therapy
MUSC 310 Conducting
MUSC 311 Music Therapy Methods and Materials for Adults
MUSC 341 String Laboratory
MUSC 342 Wind Laboratory
MUSC 343 Percussion Laboratory
MUSC 401 Psychology of Music I
MUSC 402 Psychology of Music II
MUSC 409 Music in Therapy I
MUSC 410 Music in Therapy II
MUSC 499 Professional Music Internship: Music Therapy
Plus:
MUSC 131 Freshman Music Therapy Practicum I
MUSC 132 Freshman Music Therapy Practicum II
MUSC 231 Sophomore Music Therapy Practicum III
MUSC 232 Sophomore Music Therapy Practicum IV
MUSC 331 Junior Music Therapy Practicum V
MUSC 332 Junior Music Therapy Practicum VI
MUSC 431 Senior Music Therapy Practicum VII
MUSC 432 Senior Music Therapy Practicum VIII
Plus psychology/science concentration:
PSYC 201 General Psychology
PSYC 304 Abnormal Psychology
PSYC 308 The Exceptional Child
PSYC 320 Developmental Psychology
BIOL 111, 111L Human Anatomy
Elective in Psychology or Science (Psychology 330 recommended)

MUSC 100 Introduction to Music
Study of the basic materials of music, survey of the important composers and examination of selected masterpieces with reference to cultural background; technical knowledge of music not necessary for enrollment. *3 Hrs.*

MUSC 103 Theory and Composition I
Fundamentals of notation, tonality, scales and modes, interval and triadic structure. Elementary characteristics of melodic form. Four-part writing in a homophonic style using triadic structures. Analysis of chorale style involving triads, seventh chords, modulation, nonharmonic tones. *3 Hrs.*

MUSC 104 Theory and Composition II
Part writing in a homophonic style using triadic structures, seventh chords, nonharmonic tones, modulation, secondary chords and other chromatic harmonies. Prerequisite: Music 103. *3 Hrs.*

MUSC 113 Sight-Singing and Ear Training I
Study and application of techniques of music reading and identification of sound. Course is completed at any time during the term when proficiency has been achieved. Grading is Pass/No Record. Prerequisite: Music 103. *1 Hr.*

MUSC 114 Sight-Singing and Ear Training II
Continued study and application of techniques of music reading and identification of sound. Course is completed at any time during the term when proficiency has been achieved. Grading is Pass/No Record. Prerequisite: Music 113. *1 Hr.*

MUSC 131, 132 Freshman Music Therapy Practicum I, II
Students who are freshmen in the music therapy program will work in the on-campus music therapy clinic observing, planning, conducting and evaluating music therapy sessions for children with various disabilities. Grading is Pass/Fail for all students enrolled.
1 Hr., 1 Hr.

MUSC 200 Pop Music in America
A survey of blues, jazz and rock 'n' roll from the turn of the century to 1968. Important artists/composers will be studied and representative examples of the music will be experienced. *3 Hrs.*

MUSC 203 Theory and Composition III
Continuation of chromatic harmonies. Introduction to an analysis of small forms. A study of basic homophonic forms. Introduction to compositional techniques of the 20th century and possibilities of melodic, harmonic and tonal expansion. Analysis and written exercises. Prerequisite: Music 104. *3 Hrs.*

MUSC 204 Theory and Composition IV
Introduction to 16th and 18th century counterpoint. Two-and three-

voiced writing in contrapuntal and harmonic styles. Analysis and written exercises. Prerequisite: Music 203. *3 Hrs.*

MUSC 207 Music in America

A survey of music and musical practices in the United States from colonial times to the present, with particular emphasis on those inherent qualities which have permeated America's serious and popular music over the past three centuries. No musical background necessary. *3 Hrs.*

MUSC 208 Piano Technology

An introductory study of piano technology with special emphasis on the practical application of tuning, elementary repair and maintenance. Admission of non-music majors by permission of the instructor. *3 Hrs.*

MUSC 211 Music Therapy Methods and Materials for Children

Emphasis will be placed on selecting appropriate music therapy experiences for young children with special needs. Students will create, arrange and conduct appropriate music activities for children with various disabilities. Prerequisite: Music 217 and first year of theory. *3 Hrs.*

MUSC 213 Sight-Singing and Ear Training III

Continued study and application of techniques of music reading and identification of sound. Course is completed at any time during the term when proficiency has been achieved. Grading is Pass/No Record for all students enrolled. Prerequisite: Music 114. *1 Hr.*

MUSC 214 Sight-Singing and Ear Training IV

Continued study and application of techniques of music reading and identification of sound. Course is completed at any time during the term when proficiency has been achieved. Grading is Pass/No Record for all students enrolled. Prerequisite: Music 213. *1 Hr.*

MUSC 215 Diction for Singers (English, Latin and Italian)

Two 50-minute periods weekly in which students are instructed in use of the International Phonetic Alphabet as well as the correct pronunciation of the English, Latin and Italian languages in relation to singing. Prerequisite: Previous vocal training or consent of the instructor. *1 Hr.*

MUSC 216 Diction for Singers (French and German)

Two 50-minute periods weekly in which students are instructed in the correct pronunciation of the French and German languages in relation to singing. Prerequisite: Music 215. *1 Hr.*

MUSC 217 Introduction to Music Therapy

An introductory course surveying the use of music therapy with individuals having various handicapping conditions including mental retardation, emotional disturbance, orthopedic handicaps, medical disorders, speech, hearing and visual impairments. Open to all students. *3 Hrs.*

MUSC 231, 232 Sophomore Music Therapy Practicum III, IV
Further working experience in the on-campus Music Therapy Clinic. Students continue to apply training and skills gained from the introductory course and experienced in music therapy study. Required of all sophomore music therapy majors. Grading is Pass/Fail for all students enrolled. *1 Hr., 1 Hr.*

MUSC 310 Conducting
A course designed to develop conducting skills appropriate to the performance of instrumental and choral music. Basic skills covered include the negotiation of various patterns, preparatory beats, cues, releases, etc. Prerequisite: Music 214. *2 Hrs.*

MUSC 311 Music Therapy Methods and Materials for Adults
Musical materials, methods and repertoire for adults will be emphasized. Students must learn a wide variety of songs from various decades which are appropriate for all adults, including geriatric clients. Prerequisite: Music 211 and completion of guitar is recommended. *2 Hrs.*

MUSC 319 Study of a Composer
Each term that this course is offered, one composer will be selected for an in-depth examination of the composer's life, works, style and influence on contemporaries and followers. Prerequisite: Music 100. May be taken more than once with different composers studied. *3 Hrs.*

MUSC 321 Music History and Literature I
An historical survey of music from ancient times to the end of the Baroque Era (1750). Designed to develop a perspective of the development of music in its social-cultural context, a repertory of representative works and composers, and a technique for listening analytically and critically. Required for music majors. Non-majors by permission only. *3 Hrs.*

MUSC 322 Music History and Literature II
Continuation of Music 321, covering the period from 1750 to the present. Required for music majors. Non-majors by permission only. *3 Hrs.*

MUSC 324 Vocal Pedagogy and Literature
Materials, methods and procedures for the teaching of private and class voice. Survey, evaluation and examination of vocal literature for elementary and advanced students. Supervised practice teaching within the class and observation of private voice teaching. Prerequisites: Permission of the instructor and one year of college-level vocal instruction. *3 Hrs.*

MUSC 331, 332 Junior Music Therapy Practicum V, VI
A continuation of working experience in the on-campus Music Therapy Clinic. Students now take a more responsible role in working with clients, and applying skills and training gained in upper level music therapy courses. Grading is Pass/Fail. *1 Hr.,1 Hr.*

MUSC 341 String Laboratory
Two weekly sessions of 50 minutes each in which students, especially those in the music therapy program, are taught techniques of playing standard string instruments as well as fretted instruments. *1 Hr.*

MUSC 342 Wind Laboratory
Two weekly sessions of 50 minutes each in which students, especially those in the music therapy program, are taught techniques of playing brass and woodwind instruments. *1 Hr.*

MUSC 343 Percussion Laboratory
Two weekly sessions of 50 minutes each in which students, especially those in the music therapy program, are taught techniques of playing percussion instruments. *1 Hr.*

MUSC 350 Independent Studies in Music
Students who have shown a particular interest in some phase of music may pursue this interest under the guidance of an appointed faculty member. Prerequisite: Permission of the department, junior or senior standing, and at least a B average in all music studies taken at Queens College. *3 Hrs.*

MUSC 399 Half-Recital
The preparation and performance of a half-recital in the major instrument. A performance examination must be passed at least 30 days before the scheduled day of performance. Grading is Pass/No Record for all students enrolled. *1 Hr.*

MUSC 400 Senior Recital
The preparation and performance of a full public solo recital in the major instrument. A performance examination must be passed at least 30 days before the scheduled day of performance. Grading is Pass/No Record for all students enrolled. Only Bachelor of Music performance majors may enroll in this course. *2 Hrs.*

MUSC 401 Psychology of Music I
Music preference and ability are studied, along with physiological, cognitive and affective responses to music. Prerequisites: Psychology 201. To be taken in junior or senior year. Open to all students. *3 Hrs.*

MUSC 402 Psychology of Music II
Study of observation systems and measurements as well as historical, philosophical, descriptive and experimental research related to music therapy. Prerequisite: Music 401. *3 Hrs.*

MUSC 406 Topics in Music History and Literature
An in-depth study of a specific musical era or genre. Significant developments, genres and composers will be studied from the social and cultural context. Topics which will be offered on a rotating basis are Baroque music, classical music, music of the nineteenth century, music of the twentieth century, pedagogy and literature of wind instruments, and genre courses. A research project will be required. Prerequisites: Music 321 and 322. *3 Hrs.*

MUSC 408 Composition
Creative expression in various music media based on a study of traditional and twentieth-century forms and techniques of composition; suitable compositions performed in workshop recitals. Admission by permission of the instructor. *3 Hrs.*

MUSC 409 Music in Therapy I
The use of music therapy in clinical settings with psychiatric and geriatric clients. Assessment, behavioral objectives, treatment plans, documentation and evaluation, as well as treatment modalities and therapeutic techniques are discussed for each population. Must be taken concurrently with Music 411. Open to music therapy juniors and seniors. This course fulfills the writing-intensive course requirement for the Bachelor of Music degree in music therapy. *3 Hrs.*

MUSC 410 Music in Therapy II
Continuation of Music in Therapy I with special emphasis on new trends and uses of music therapy in childbirth, general hospital settings, substance abuse and pain centers. Major therapeutic techniques are surveyed and discussed. The course concludes with a comprehensive review of medical, clinical and population terminology. Must be taken concurrently with Music 412. This course fulfills the writing-intensive course requirement for the Bachelor of Music degree in music therapy. Prerequisite: Music 409. *3 Hrs.*

MUSC 413, 414 Advanced Piano Pedagogy and Literature
For use in teaching the more advanced student; comprehensive survey of the literature of the piano, with discussion of musicianship; technique, theory and interpretation. Students concentrating in piano pedagogy should take Music 417, 418 concurrently. *2 Hrs., 2 Hrs.*

MUSC 422 Choral Methods
A course designed to introduce the student to methods and materials involved in the performance of choral music on all levels. Topics include vocal production, choral diction, ensemble-singing, rehearsal techniques, as well as the overall management of a choral program. *2 Hrs.*

MUSC 425 Orchestration/Instrumental Arranging
A course involving the arranging of music for orchestra, band and

small instrumental ensembles, with emphasis on the skills needed by music education students in working with elementary and secondary school instrumental groups. *2 Hrs.*

MUSC 431, 432 Senior Music Therapy Practicum VII, VIII
Music therapy sessions conducted by music therapy seniors in a variety of human service agencies in the community. Special emphasis is given to adults, including psychiatric and geriatric clients. Must be taken concurrently with Music 409, 410. *2 Hrs., 2 Hrs.*

MUSC 450 Laboratory in Non-Traditional Media
Directed studies in art forms utilizing unconventional media, ranging from kinetics, neon and multi-track recordings to more sophisticated electronic forms (videotape, synthesized sound, etc.). Class sessions include discussions of critical theory, group critiques and individual tutorial sessions. Prerequisites: upperclass standing; recommendation of departmental sponsor or for elective credit, instructor's permission. Can be repeated once for credit. *3 Hrs.*

MUSC 455 Seminar in Applied Analysis
Independent study and analysis of compositional techniques and formal styles of compositions studied in music literature and applied music classes. This course fulfills the writing-intensive course requirement for the Bachelor of Arts degree or the Bachelor of Music degree in applied music. Prerequisite: Music 204 and Music 306 or 319. *3 Hrs.*

MUSC 499 Professional Music Internship: Music Therapy
A six-month continuous full-time affiliation with an approved clinical facility which follows all course work. The intern will perform assigned music therapy duties under the supervision of an experienced registered music therapist. Open to music therapy majors who have completed all course work. Grading is Pass/Fail for all students enrolled. *4 hours minimum.*

Applied Music

The designation for the individual instrument studies is indicated by the letter following the course number: (p) piano, (o) organ, (s) strings, (v) voice, (g) guitar, (h) harp (z) other instruments.

Applied Music (for no credit). Students should register through the Queens Music Academy.

Private instruction. Piano, organ, strings, voice, guitar, harp or other instrument. The general aim of private instruction is development of all phases of performance: technique, style, musicianship, interpretation and repertoire. Assignments to instructors are made by the chairman of the department and students usually remain with the same instructor throughout the course of study. Students registered for two or three credits per term receive 60 minutes of individual instruction and a one-hour weekly group repertoire or workshop session; students registered for one credit per term receive 30 minutes of individual instruction and a one-hour weekly group repertoire or workshop session. See fee schedule in section on costs. Credit received in applied music on the basis of Pass/No Record grading cannot be used toward major or minor concentrations in music.

MUSC 171, 181 Private Instruction in Applied Music and Repertoire Class

One hour of daily practice required. May be repeated for credit. *1 Hr., 1 Hr.*

MUSC 172, 182 Private Instruction in Applied Music and Repertoire Class

Two hours of daily practice required. May be repeated for credit. *2 Hrs., 2 Hrs.*

MUSC 173, 183 Private Instruction in Applied Music and Repertoire Class

This course is open only to applied music (performance) majors under the Bachelor of Music degree program and requires no fewer than three hours daily practice and two approved public performances (student workshops included) in each term. Freshman performance majors are exempted from the requirement of giving a public performance during Term I. May be repeated for credit. *3 Hrs., 3 Hrs.*

MUSC 371, 381 Private Instruction in Applied Music and Repertoire Class

Admission to upper-level standing only by permission of music faculty or jury examination. One hour of practice required daily. *1 Hr., 1 Hr.*

MUSC 372, 382 Private Instruction in Applied Music and Repertoire Class

Admission to upper-level standing only by permission of music faculty or jury examination. Two hours of practice required daily. *2 Hrs., 2 Hrs.*

MUSC 373, 383 Private Instruction in Applied Music and Repertoire Class

These courses, open only to applied music performance majors under the Bachelor of Music degree program and to juniors and seniors in the piano pedagogy curriculum, require no fewer than three hours daily practice. Performance majors are required to have two public performances (student workshops included) in each term.

Specific performance requirements for piano pedagogy students enrolled here are waived. Admission to upper-level standing only by permission of the music faculty or at jury examinations.
3 Hrs., 3 Hrs.

Music Classes

Credit hours gained in courses marked with an asterisk (*) may not be counted toward the 40-hour music concentration under the B.A. program in music.

***MUSC 155, 156 Piano Class for Music Majors**
One weekly session of 50 minutes in which classes of beginning piano students are instructed in the fundamentals of piano playing in partial preparation for entering Music 195. Primarily for music therapy, music education and other students who are required to have a piano proficiency before graduation. Regular practice required. Music 155 is prerequisite to Music 156. *1 Hr., 1 Hr.*

***MUSC 157, 158 Piano Class for Non-Music Majors**
One weekly session of 50 minutes in which classes of students are instructed in the beginning phases of piano playing. Elective for students with no previous training; regular practice required. Music 157 is prerequisite to Music 158. *1 Hr., 1 Hr.*

***MUSC 165, 166 Guitar Class**
One weekly session of 50 minutes in which students are instructed in the fundamentals of guitar playing. This course is specifically designed for the music therapy major who must pass a proficiency exam in this instrument before graduation. Grading is Pass/No Record for all students enrolled. Music 165 is prerequisite to Music 166. *1 Hr., 1 Hr.*

***MUSC 175 Voice Class**
Two weekly sessions of 70 minutes each, in which students with little or no vocal training are instructed in the basic vocal principles, simple exercises and songs; regular practice is required. Open to all students; recommended for music therapy majors who will not study voice as the principal applied area. Should be taken as early as possible in the program of study. Grading is Pass/No Record for all students enrolled. *1 Hr.*

MUSC 177, 178 Symphonic Band
This ensemble is open to all Queens College students by permission of instructor. Repertoire will include standard band literature with a concert scheduled each semester. This group will perform as a pep band, Royal Pride, for selected home basketball games and other campus events. Course may be repeated. *1 Hr., 1 Hr.*

MUSC 185, 186 Ensembles:

(1) Small Ensemble: Accompanying or work, discussion and performance in chamber groups, sonatas, trios, quartets.

(2) Orchestra: Participation in the Queens Community String Orchestra. (The string orchestra and wind ensembles will give joint performances of full orchestral literature periodically.) There will be a music usage fee for all non-Queens persons enrolled.

(3) Vocal Coaching: Work with an accompanist on various styles of vocal literature, under the supervision of a member of the voice faculty. (The vocal coaching credit may not be counted towards the ensemble requirement.)

(4) Piano Ensemble: Study and performance of duet and two-piano literature with a member of the piano faculty.

(5) Wind Ensemble: Study and/or performance of literature for woodwind and brass instruments.

(6) Guitar Ensemble: Study and performance of ensemble music for guitar.

Grading is Pass/Fail. Prerequisite: Permission of the instructor. *1 Hr., 1 Hr.*

MUSC 187, 188 Queens College Chorale

The select choral ensemble on campus that performs for major college concerts and tours annually. Admission by audition only; repertoire includes secular and sacred choral works from the fifteenth through the twentieth centuries. *1 Hr., 1 Hr.*

MUSC 190, 191 Opera Workshop

The preparation and performance of scenes from opera in a recital setting. *1, 2 or 3 Hrs.*

MUSC 192, 193 Chorus

No audition necessary. Open to all students who like to sing. Repertoire includes both light and traditional music. *1 Hr., 1 Hr.*

MUSC 195 Functional Piano Class I

Includes procedures and skills for proficiency in reading, harmonization and transposition at sight as well as experience in accompanying. Open to any student with sufficient background, but designed particularly for students majoring in music therapy. The class meets for two 50-minute sessions each week. Grading is Pass/No Record. Students may exempt this course by passing an examination. This course must be repeated until required skills are mastered. *1 Hr.*

MUSC 196 Functional Piano Class II

A continuation of Music 195, this course is especially important to the music therapy student. Special emphasis is placed on creativity and improvisation, including the ability to compose original melodies, accompaniments and short pieces extemporaneously in a variety of moods and styles, vocally and instrumentally. A proficiency exam is given at the end of Music 196. Grading is Pass/No Record. *1 Hr.*

MUSC 197, 198 **Queens College Chamber Singers**

A select chamber choral ensemble that performs for college and community functions. Admission by audition only; repertoire includes secular and sacred choral works designed for smaller, chamber groups from the fifteenth through the twentieth centuries. Co-requisite: Enrollment in the Queens College Chorale. *1 Hr.,1 Hr.*

Concert Attendance

Regulations regarding events and their validations as well as the number of concerts and recitals required for adult and transfer students are contained in the annual music-student handbook.

MUSC 10, 11 **Concert Attendance for Freshmen**

Freshmen are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs.,0 Hrs.*

MUSC 20, 21 **Concert Attendance for Sophomores**

Sophomores are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs.,0 Hrs.*

MUSC 30, 31 **Concert Attendance for Juniors**

Juniors are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs.,0 Hrs.*

MUSC 40, 41 **Concert Attendance for Seniors**

Seniors are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs., 0 Hrs.*

NURSING

The James D. Vail III Bachelor of Science of Nursing program is a National League for Nursing accredited, four-year baccalaureate degree program which provides opportunities for the development of the professional nurse through courses in liberal learning; social, behavioral and natural sciences; fine arts; and nursing.

Nursing content is founded on self-care theory. High priority is given to academic excellence and clinical experience. Major emphasis is placed on clinical nursing practice in combination with classroom and laboratory instruction. Selected clinical experiences begin in the second year and progress throughout the program.

Students with a variety of backgrounds may be accommodated within the program. Students pursuing nursing for the first time, those with some nursing background and those already licensed to practice nursing (RNs) may all enter the Bachelor of Science in Nursing program.

The program provides an atmosphere in which the individual can develop a personal and professional value system. Pre-licensure graduates are eligible to take the National Council Licensure Examination for Registered Nursing (NCLEX-RN). All graduates are prepared to practice professional nursing in a variety of settings and specialties. The curriculum prepares students for graduate studies in nursing.

Clinical course enrollment. The faculty of the Division of Nursing have an academic, legal and ethical responsibility to protect the public and the health care community from unsafe and/or unprofessional nursing practice. It is within this context that prior to beginning each clinical experience, the student must have on record proof of the following requirements:

1. Completed Queens College health history and physical examination form (within 18 months of first clinical course).
2. Current immunizations.
3. Current TB skin test.
4. Current personal health insurance.
5. A signed Need for Accommodation form — in compliance with the American Disabilities Act of 1990.
6. Current CPR certification verification: BCLS-C.
7. Record of current status of Hepatitis B vaccine.
8. Others as identified in selected courses.

Admission to the major. Admission to Queens College does not guarantee admission to the nursing major. Acceptance to the nursing major is competitive and selective. Students apply to the major at the end of the sophomore year or, in the case of RNs, before beginning 400-level courses. Acceptance is based on a Queens cumulative grade point average and a prerequisite course grade point average of 2.500 (including all 200-level nursing courses), at least a C - in the theory and lab components of pre-requisite courses and other requirements listed below. When the number of qualified student applicants exceeds the number that can be admitted, the amount of coursework taken at Queens will take on increased significance.

All students must make formal application to the nursing program during or following the semester in which all required prerequisite courses are completed. Application requirements include:

1. Non-refundable application fee.
2. Prerequisite check list with supporting transcripts.
3. Verification of clinical course enrollment requirements.
4. Record of high school graduation, high school equivalent or earned credits from an approved post-secondary institution.

Specific guidelines for the application process are available through the Vail Program of Nursing.

Acceptance into the nursing major must be obtained prior to the 300-level nursing courses for pre-licensure students and prior to the 400-level nursing courses for the RN students. The Nursing Student Qualifications Committee (NSQC) reviews applications at specified times during the year and notifies students of committee decisions in a timely manner.

Degree requirements. Candidates for the Bachelor of Science in Nursing degree are required to fulfill all College of Arts and Sciences graduation requirements as well as the requirements for the nursing major. Any request for exceptions to the outlined nursing major requirements are to be sent in writing to the chair of the NSQC.

Requirements for the nursing major are:

NURS 201 Introduction to Professional Nursing
NURS 202 Health Assessment
NURS 203 Introduction to Clinical Nursing
NURS 204 Pharmacology
NURS 205 Nutrition
NURS 300 Nursing: A Practice Discipline (RN students only)
NURS 303 Adult Nursing
NURS 307 Mental Health Nursing
NURS 315 Parent-Child Nursing
NURS 400 Nursing Research (Writing Intensive)
NURS 401 Management in Nursing
NURS 402 Community Health Nursing
NURS 442 Complex Nursing Situations (RN students only)
NURS 452 Nursing Perspectives
NURS 498 Nursing Internship I
NURS 499 Nursing Internship II
Plus:
MATH 206 Statistical Methods
PSYC 201 Introduction to Psychology (prerequisite to the major)
PSYC 304 Abnormal Psychology (prerequisite to the major)
PSYC 320 Developmental Psychology
Plus complete the Health/Sciences Concentration (prerequisite to the major)
BIOL 111, 111L Human Anatomy & Lab
BIOL 112, 112L Human Physiology & Lab
CHEM 101, 101L General Chemistry I & Lab
CHEM 102, 102L General Chemistry II & Lab
BIOL 120 Medical Microbiology

In order to graduate with a degree in nursing, a student must earn at least a C - in all the prerequisites, additional required and nursing courses listed above.

Information for registered nurses. The nursing major at Queens offers a curriculum designed to accommodate the career advancement and the diverse learning needs of RNs. The length of the program will depend upon prior academic preparation and individual scheduling. As with pre-licensure students, all RNs must make formal application to the nursing major after being accepted into Queens College. In addition to meeting the same application requirements of pre-licensure students, RN requirements include:

1. Proof of current, unrestricted licensure as an RN in North Carolina.
2. Successful completion of the three National League for Nursing Profile II exams.
3. Successful completion or validation of NURS 204 - Pharmacology and NURS 205 - Nutrition.
4. Completion of NURS 300 Nursing: A Practice Discipline.

Specific guidelines for the application process are available through the Division of Nursing.

NURS 201 Introduction to Professional Nursing
This non-clinical course introduces the student to professional nursing. This practice discipline is examined using concepts relevant to nursing. *3 Hrs.*

NURS 202 Health Assessment
This course focuses on the development of the basic technologies of assessment. Selected experiences with essentially healthy individuals enable students to integrate knowledge and skills of physical assessment. Prerequisite: Biology 111 and Biology 111 lab. *3 Hrs.*

NURS 203 Introduction to Clinical Nursing
This introductory clinical course focuses on the nursing process through selected theoretical knowledge and nursing technologies. Clinical experiences occur in a variety of settings. Fee: $35. Prerequisite/Corequisite: Nursing 201 and Nursing 202. *4 Hrs.*

NURS 204 Pharmacology
This foundational course focuses on classifications, physiological actions, adverse effects and responses to medication therapy. Prerequisite/Corequisite: Biology 112 or permission of the instructor. *3 Hrs.*

NURS 205 Nutrition
This course includes the basic principles of human nutrition as it applies to all life cycle stages with emphasis on nutrients and their utilization in the human body. Food patterns, availability, acceptability and safety are stressed as they relate to individuals and population groups. Open to all students. *3 Hrs.*

NURS 260 Directed Study in Nursing

This directed study is designed to encourage students to study a nursing topic of interest to the student and the profession. Contract objectives will be developed in consultation with a nursing faculty who will serve as mentor for the project. *1 or 2 Hrs.*

NURS 300 Nursing: A Practice Discipline

This non-clinical course focuses on the discipline of professional nursing. Concepts relevant to nursing are explored within the framework of the nursing process. A foundation in health assessment is a integral part of this course. Prerequisite: Registered Nurse or permission of instructor. *4 Hrs.*

NURS 303 Adult Nursing

This clinical course focuses on the designing and implementing of nursing systems with adults experiencing health deviations. Clinical experiences occur in a variety of settings. Fee: $35. Prerequisite: Acceptance to the nursing major. *9 Hrs.*

NURS 307 Mental Health Nursing

This clinical course examines selected behavioral deviations through the life cycle. Clinical experiences offered in a variety of settings. Lab fee: $25. Prerequisites: Acceptance to nursing major and Psychology 304. *4 Hrs.*

NURS 315 Parent-Child Nursing

This clinical course focuses on the childbearing/childrearing family. Meeting the therapeutic self-care demands of the childbearing/childrearing family is the primary objective. Clinical practice occurs in a variety of settings. Lab fee: $35. Prerequisite: Nursing 302. Prerequisite/Corequisite: Psychology 320. *9 Hrs.*

NURS 360 Topics in Nursing

This course is designed to investigate a current topic or specialized area of nursing. The topics will vary from term to term and will provide the student with an opportunity to study a topic that is not offered on a regular basis in the curriculum. Open to all students. *3 Hrs.*

NURS 400 Nursing Research

In this writing-intensive course, the student develops a proposal utilizing the research process. This course is designed to enable students to be critical consumers of research and apply research findings to clinical practices. This course fulfills the writing-intensive course requirement. Prerequisite: All requisite 300-level nursing courses or permission of the instructor. Corequisite/Prerequisite: Mathematics 206. *3 Hrs.*

NURS 401 Management in Nursing

This survey course emphasizes management theory in health care delivery. Principles of management and changes within the health care system are related to nursing practice. Prerequisites: All requisite 300-level nursing courses, or permission of the instructor. *3 Hrs.*

NURS 402 Community Health Nursing

This clinical course examines nursing as part of the larger health care delivery system. Emphasis is on identification of health needs and promotion of self-care of families and groups. Clinical experiences occur in a variety of community agencies. Prerequisite: All requisite 300-level nursing courses. *6 Hrs.*

NURS 442 Complex Nursing Situations

This clinical course focuses on analysis and synthesis of concepts from nursing and the physical, social, and behavioral sciences. Students refine, broaden and expand their perspectives of nursing practice. Lab Fee: $25. Prerequisite: Registered Nurse, Nursing 402. Prerequisite/Corequisite: Nursing 401. *6 Hrs.*

NURS 452 Nursing Perspectives

Current trends and issues in professional nursing are explored. Projections of nursing for the future are made in light of historical bases and current trends. Prerequisite: Senior-level nursing status. *2 Hrs.*

NURS 460 Independent Study in Nursing

Independent investigation of a selected topic in nursing is accomplished through faculty mentorship. Directed readings culminate in a scholarly paper. May be repeated for credit. *1, 2, 3 Hrs.*

NURS 498 Nursing Internship I

This clinical internship focuses on the application of concepts from nursing and the physical, social and behavioral sciences to the clinical setting. This course fulfills the college internship requirement. Fee: $35. Prerequisite: Nursing 315. Prerequisite/Corequisite Nursing 401. *4 Hrs.*

NURS 499 Nursing Internship II

In this clinical internship course, students continue to refine, broaden and expand their perspectives of professional nursing practice. This course completes the college internship requirement. Fee: $35. Prerequisite: Nursing 498. *2-4 Hrs.*

PHILOSOPHY

The academic study of philosophy engages students in a comprehensive and critical investigation of pervasive cultural beliefs, such as freedom, truth, God and justice. Emphasis is given to careful method, as well as the history of Western philosophy.

Writing-intensive course requirement. The writing-intensive course requirement is met with Philosophy 350 or Religion 350.

Requirements for the B.A. degree with a philosophy/religion major are:

Core:

PHIL 203	Introduction to Philosophy
PHIL 204	Introductory Logic
RELG 210	Introduction to World Religions
RELG 205*	The Old Testament
or	
RELG 206*	The New Testament

PHIL 350*	Directed Studies in Philosophy
or	
RELG 350*	Directed Readings

Plus 6 courses chosen from:

(Some courses may have prerequisites or permission of the instructor may be necessary)

ART 345	Art and Religion in the West
ENGL 460	Studies in Literature and Criticism
PHIL 220	Philosophy of Religion
PHIL 230	Ancient & Medieval Western Philosophy
PHIL 255	American Philosophy
PHIL 304	Contemporary Western Philosophy
PHIL 305	Medical Ethics
PHIL 349	Topics in Philosophy
PHIL 350	Directed Studies in Philosophy
POLS 335	Social and Political Thought
RELG 205	The Old Testament
RELG 206	The New Testament
RELG 306	Prophetic Religion
RELG 310	The Book of Revelation and Apocalyptic Thought
RELG 344	Christian Ethics

HIST 306	Renaissance and Reformation
or	
RELG 323	Renaissance and Reformation

HIST 345	Religion in America
or	
RELG 345	Religion in America

RELG 349	Topics in Religion
RELG 350	Directed Readings

*Courses not taken in the core may be taken as one of the six elective courses

Plus philosophy/religion majors complete a concentration which has been approved by the philosophy and religion advisor.

PHIL 203 Introduction to Philosophy
Introductory study of the perennial questions of philosophy and the various methods by which philosophy has tried to answer them. *3 Hrs.*

PHIL 204 Introductory Logic
A study of the major forms of reasoning — deductive, inductive and explanatory — used in everyday life, science and philosophy. Attention will be given to the use of logical techniques in problem-solving. *3 Hrs.*

PHIL 220 Philosophy of Religion
An introduction to some central problems in the philosophy of religion — the nature of religious experience, religious knowledge, God, secularity and the relationship of religion and morality. The aim of the course is to understand these important issues through careful, comprehensive criticism. Students may elect this course as Religion 220. This course fulfills the writing-intensive course requirement. *3 Hrs.*

PHIL 230 Ancient and Medieval Western Philosophy
An historical and conceptual investigation of the major texts of the Pre-Socratics, Plato, Aristotle and selected medieval thinkers, such as Augustine, Anselm, Abelard, Aquinas and William of Ockham. *3 Hrs.*

PHIL 255 American Philosophy
An historical and conceptual investigation of the classic American philosophers, Peirce, James, Santayana and Dewey, with attention given their precursors, such as Emerson; contemporaries, such as Royce, Mead; and successors, such as Lewis and Quine. Prerequisite: Sophomore standing. *3 Hrs.*

PHIL 304 Contemporary Western Philosophy
An investigation of major European and American philosophers of the 19th and 20th centuries, beginning with the existentialist thought of Kierkegaard and Nietzsche. The course will explore reactions to Enlightenment thought, with emphasis on analytic philosophy and existentialism. *3 Hrs.*

PHIL 305 Medical Ethics
An investigation of the major ethical dilemmas arising with the life sciences. The course intends to assist students to identify, analyze and decide ethical issues in such a way that they can defend their positions to themselves and to others. Some of the issues to be investigated are abortion, death and dying, patient rights and justice in the allocation of medical resources. *3 Hrs.*

PHIL 349 Topics in Philosophy
Concentrated study of a particular person, movement or issue in philosophy. Topics as proposed will be chosen by the department and approved by the Educational Programs and Curriculum Committee to supplement regular offerings and to cover specialized problems. Course may be repeated for credit with different subtitles. *1-3 Hrs.*

PHIL 350 Directed Studies in Philosophy
Faculty-supervised study of an approved topic in philosophy through selected readings. To be evaluated through a weekly meeting with the instructor and a comprehensive paper. May be repeated once for credit. *1-3 Hrs.*

PHYSICAL EDUCATION

The physical education program provides an instructional base in selected lifetime leisure and sports skills. Students are encouraged to accept the responsibility for their own well-being by developing the knowledge, skills and attitudes necessary in achieving their optimum level of physical fitness and satisfaction.

The physical education requirement may be met by any two courses; all physical education courses are graded on a Pass/No Record basis. A student may enroll in any number of physical education courses, but only two hours of physical education credit may be counted toward the 122 hours required for a bachelor's degree. The required two hours should be completed by the end of the sophomore year. Participation in varsity sports does not satisfy the physical education graduation requirement. Non-swimmers are encouraged to take PE 151, Beginning Swimming, in the fall semester of their freshman year. All students are encouraged to take additional courses beyond those which are required.

PHED 121 Beginning Tennis
Fundamental skills of tennis (forehand, backhand, serve); emphasis on development of strokes; course for the beginner. *1 Hr.*

PHED 123 Advanced Beginning Tennis
Emphasis on strengthening fundamental skills. Designed for the student who has had some experience with tennis or a course in beginning tennis; singles and doubles competition in the class. *1 Hr.*

PHED 125 Intermediate Tennis
Emphasis on improving fundamental skills, advanced strokes and techniques; singles and doubles competition within the class. May be repeated for credit. *1 Hr.*

PHED 131 Beginning Modern Dance
An introduction to the basic principles of rhythm, design and dynamics in modern dance; concentration on movement techniques, improvisation and dance composition. *1 Hr.*

PHED 132 Intermediate Modern Dance
Continuation of Physical Education 131, emphasizing comprehensive study of movement techniques as applied to dance composition and improvisation. *1 Hr.*

PHED 134 Dance Production
Experience in the production of a dance program. Admission only by permission of instructor. May be repeated for credit. *1 Hr.*

PHED 135 Folk and Square Dance
Recreational activity class in folk dance and both traditional and

modern square dance. Experience in instruction for students who plan to work in elementary education, recreation and related fields. *1 Hr.*

PHED 136 Ballet I

Introduction to classical ballet. May be repeated for credit. *1 Hr.*

PHED 137 Body Dynamics

Principles of physical conditioning and its application to everyday living; activities for improving fitness. May be repeated for credit. *1 Hr.*

PHED 138 Heart Health and CPR

A course designed to combine the study of heart health, CPR certification and aerobic exercise. *1 Hr.*

PHED 141 Weight Training and Conditioning

Principles of weight training and conditioning and their application to everyday living. Includes basic weight training skills and activities for improving fitness. Body building and power lifting will be introduced. May be repeated for credit. *1 Hr.*

PHED 151 Beginning and Advanced Beginning Swimming

For the non-swimmer and beginner; basic safety skills, front crawl and elementary backstroke; opportunity to earn Red Cross certificates. *1 Hr.*

PHED 153 Intermediate Swimming

Elementary back, front crawl, breast, side and back crawl strokes, safety skills; opportunity to earn Red Cross certificate. *1 Hr.*

PHED 155 Synchronized Swimming

Strokes, stunts and skills, beginning through advanced. Creative experience in solo, duet and team routines. Prerequisite: Intermediate or higher swimming level. May be repeated for credit. *1 Hr.*

PHED 158 Water Safety Instructor's Course

Increased knowledge, judgment and teaching skill for training others to swim; Red Cross certificate. Only 1 Hr. counts toward the P.E. and graduation requirement. Fee: approximately $25. *2 Hrs.*

PHED 159 Lifeguard Training: Basic Water Safety and Emergency Water Safety

In-depth study and practice of the skills and knowledge required for an individual to properly assume the responsibilities of a lifeguard at a swimming pool or a protected open-water beach. Emphasis is placed on the concern for the safety of others. Red Cross certification. Also includes Red Cross Basic First Aid and CPR certification. Prerequisites: Swim 500 yds. continuously using crawl, breaststroke, elementary backstroke and sidestroke; surface dive to a minimum depth of 5 feet and swim underwater for a minimum of 15 yards; and tread water for one minute. Fee: approximately $25. *1 Hr.*

PHED 161 Beginning Golf
Fundamentals of golf for those who have little or no golf skill; grip, stance, club selection, etiquette and rules. Approximately one-fifth of class time is dedicated to actual play. Fee: approximately $25. *1 Hr.*

PHED 169 Topics in Physical Education
This course provides an opportunity for study of various topics in the field of physical education which are not offered on a regular basis. The topics for the course will vary from term to term. May be repeated with different subtitles. No more than one hour may count towards the physical education requirement. *1 or 2 Hrs.*

PHED 171 Riding
Instruction offered at three levels: beginner, intermediate and advanced; qualified students may hunt by arrangement. Fee: $185. May be repeated for credit. *1 Hr.*

PHED 180 Water Aerobics
Comprehensive physical fitness program performed in the water. Non-impact aerobics, strength, flexibility, cardio-respiratory endurance, muscular endurance achieved by using water as the resistance. Swimming skills not necessary since the participant can maintain a position in the shallow end of the pool without submerging head. Ideal course for the physically impaired as well as the exercise enthusiast, since the work can be individualized. May be repeated for credit. *1 Hr.*

PHED 181 Indoor Soccer/ Basketball
Principles, skills, tactics and strategy for both soccer and basketball. Includes lecture, skill practice, play and skills-testing for both sports. One-half semester devoted to each. May be repeated for credit.
1 Hr.

PHED 182 Indoor/Outdoor Volleyball
Course teaches fundamental skills, rules, regulations and simple strategies for both indoor and outdoor volleyball and to help the student develop an appreciation for this lifetime sport. May be repeated for credit. *1 Hr.*

PHYSICS

Natural science requirement. The natural science requirement is met with Physics 101.

PHYS 101, 102 General Physics
Beginning course in physics covering the fundamental principles of mechanics, heat, sound, light, electricity and magnetism and atomic physics. Prerequisites: Elementary algebra and plane geometry;

Physics 101 is prerequisite to Physics 102. Three hours lecture and three hours laboratory each week. *4 Hrs., 4 Hrs.*

PHYS 105 Radiologic Physics

Selected topics in mechanics, atomic structure, electricity and magnetism, ionizing radiation, production and properties of X-rays, radiation dosimetry and protection; designed to provide students in a radiologic-technology program with a basic understanding of the physical principles involved in the generation and use of X-rays. Students may not receive credit for both Physics 102 and Physics 105. *4 Hrs.*

POLITICAL SCIENCE

The major emphasizes the empirical, analytical, comparative and normative investigation of political issues and systems in the world. Attention given to critical thinking, research and writing skills. Introductory courses present basic ideas, issues and concepts of political science. Upper-level courses provide in-depth investigation of introductory material and focus on specialized areas.

Careers. A major in political science provides a basis for graduate study in all the subfields of the discipline and a foundation for careers in government, politics, law, journalism, teaching or any of the many areas in which a liberal arts background is desirable.

Writing-intensive course requirement. The writing-intensive course requirement is met with one course chosen from Political Science 250, 301, 306 or 400.

Requirements for a B.A. degree with a political science major are:

Core:

POLS 201	Introduction to American Politics
POLS 250	Introduction to Comparative Politics
POLS 270	Introduction to World Politics
POLS 335	Social and Political Thought
POLS 400	Senior Seminar
ECON 203	Macroeconomics

Plus complete a track:

American Political Studies Track

Choose three courses from:

POLS 308	Political Parties and Voting Behavior
POLS 313	Constitutional Law and the Judicial System
POLS 315	Congress and the Presidency
POLS 326	Contemporary American Foreign Policy
POLS 300	Current Topics in Political Science
HIST 343	The United States at War in Vietnam

European Political Studies Track

POLS 301 European Politics

Choose two of the following:

HIST 309	Contemporary Europe
HIST 330	British History
HIST 331	Russian History
HIST 332	German History
HIST 361	Ideas and Values in Conflict in History

Politics of Developing Countries Track

POLS 306 Politics of Developing Countries

Choose two of the following:

POLS 305	Asian Politics and Society
POLS 425	Contemporary Chinese Politics
HIST 391	Contemporary Chinese Political History
HIST 307	History of Latin America
POLS 300	Topics in Asia

Plus:

Choose two Political Science courses from a different track:

Plus:

One course at or above the 300-level in economics, history, psychology or philosophy

POLS 201 American Politics
Origins and development of the constitution and the federal system; introduction to the presidency, Congress, Supreme Court; political parties and pressure groups as actors in politics; conservatism and liberalism as motivating philosophies. *3 Hrs.*

POLS 250 Introduction to Comparative Politics
Introduction to the comparative study of politics. Examines the nature of contemporary political systems and explanations for how and why they vary. Examines the historical process of political change and development as well as country-specific political institutions, practices and policies. This course fulfills the writing-intensive course requirement. *3 Hrs.*

POLS 270 Introduction to World Politics
Introduction to the behavior of nation-states in the contemporary world system; examination of concepts and problems regarding security, international organizations and human rights. Economics 203 recommended. *3 Hrs.*

POLS 300 Current Topics in Political Science
The study of selected approaches to the study of political activity or specialized topics of contemporary political science research. Possible topics include political psychology, political economics and political fiction. Topics to be announced the term prior to offering.
3 Hrs.

POLS 301 European Politics
Comparative analysis of political culture, institutions and behavior in selected modern European nations; emphasis on England, France and West Germany. This course fulfills the writing-intensive course requirement. Prerequisite: Political Science 250 or permission of the instructor. *3 Hrs.*

POLS 305 Asian Politics and Society
Introduction to the contemporary politics and societies of Japan, China, the Koreas and several Southeast Asian countries. Historical look at the development of political, economic and social institutions in these states. Prerequisite: Political Science 250 or permission of instructor.
3 Hrs.

POLS 306 Politics of Developing Countries
Introduction to the processes of political development and change, and to problems confronting developmental efforts of an emerging nation; emphasis on selected African, Asian and Latin American nations. This course fulfills the writing-intensive course requirement. Prerequisite: Political Science 250 or permission of instructor.
3 Hrs.

POLS 308 Political Parties and Voting Behavior
Function of parties in a political system; comparative party systems; mass and cadre parties; proposals for more "responsible" parties; political attitudes and voting behavior. Prerequisite: Political Science 201 or permission of instructor. *3 Hrs.*

POLS 313 Constitutional Law and the Judicial System
Examines major decision by the United States Supreme Court in areas of judicial review, powers of the executive and legislative branches, and the Bill of Rights. Examines the structure and functions of the American court system, its relationship to the political process, the basis for legal argument and judicial decision-making. Prerequisite: Political Science 201 or permission of instructor. *3 Hrs.*

POLS 315 Congress and the Presidency
Examination of the structures, functions and politics of the United States Congress and the Presidency including the electoral process, conflicts in decision-making, and policy outcomes. Prerequisite: Political Science 201 or permission of instructor. *3 Hrs.*

POLS 326 Contemporary American Foreign Policy
Analysis of the role of the United States in contemporary world politics; emphasis upon the nature of the foreign policy-making process and the rationale, content and impact of contemporary American international action and policies. Prerequisite: Political Science 201 or permission of instructor. *3 Hrs.*

POLS 335 Social and Political Thought
Examination, comparison and evaluation of major past and contemporary political thinkers, their ideas and impact upon society. *3 Hrs.*

POLS 350 Directed Study
Investigation of a specialized topic in political science through research, special instruction and assigned readings. A paper and oral or written examination by staff are required. Prerequisite: Approval of department. *3 Hrs.*

POLS 400 Senior Seminar
Opportunity to synthesize knowledge of the field through investigation of a major question in a seminar setting. Readings in political science research, formulation of a question, written thesis and review of statistical and quantitative methods of social science research required. Open to seniors majoring in political science. Permission of instructor required. This course fulfills the writing-intensive course requirement. *3 Hrs.*

POLS 425 Contemporary Chinese Politics
Analysis of the domestic and foreign politics of the People's Republic

of China. Emphasis on modernization and political change. Prerequisite: Political Science 250 or permission of instructor. *3 Hrs.*

POLS 450 Independent Study

Opportunity for independent investigation of a topic by means of a thesis or a program of directed readings; oral examination by department members. Open to seniors with permission of the department. *3 Hrs.*

PSYCHOLOGY

The department emphasizes the development of an understanding of factors important in determining behavior. Introductory courses present basic psychological principles; upper-level courses provide opportunities for further work in areas of special interest. Independent study allows the student to design and carry out original research. Internships in community settings enable the student to make practical application of psychological principles.

Careers. A major in psychology provides a basis for graduate study in areas of psychology, education, social sciences, social work and law as well as a foundation for careers in personnel, social work, mental health and similar areas.

Writing-intensive course requirement. The writing-intensive course requirement is met with Psychology 306.

Requirements for the B.A. degree with a psychology major are:

Core:

PSYC 201	General Psychology
PSYC 303	Social Psychology
PSYC 306	Experimental Methods
PSYC 306L	Laboratory in Experimental Psychology
PSYC 314	Psychology of Learning
PSYC 400	Advanced General Psychology I
PSYC 401	Advanced General Psychology II
MATH 206	Statistical Methods

Choose 16 additional hours from the following courses — as approved by the major advisor.

PSYC 302	Psychology of Personality
PSYC 303L	Experimental Social Psychology
PSYC 304	Abnormal Psychology
PSYC 305	Introduction to Counseling
PSYC 308	The Exceptional Child
PSYC 311	Psychological Tests
PSYC 312	Sensation and Perception
PSYC 315	Laboratory in Conditioning and Learning
PSYC 316	Cognitive Psychology
PSYC 320	Developmental Psychology
PSYC 330	Psychology of Adulthood and Aging
PSYC 352	Topics in Psychology
PSYC 412	Physiological Psychology
PSYC 421	Organizational Psychology
PSYC 449,450	Independent Research
PSYC 452	Directed Readings in Psychology

Prerequisite. Psychology 201 is prerequisite to all other psychology courses.

PSYC 201 General Psychology
Survey of the field of psychology emphasizing the results of scientific investigations in the area of behavior. *3 Hrs.*

PSYC 302 Psychology of Personality
Survey of selected theories of personality and principles of personality development. *3 Hrs.*

PSYC 303 Social Psychology
Study of the behavior of the individual in society, including attitude formation and measurement, interpersonal perception and the behavior of the individual in groups. Students may elect this course as Sociology 303. *3 Hrs.*

PSYC 303L Experimental Social Psychology
Application of experimental methods to problems of social psychology such as attitude change, conformity and leadership. Special problems of research design and techniques peculiar to the area of social psychology are considered. Prerequisite: Psychology 303. Three hours laboratory per week. *1 Hr.*

PSYC 304 Abnormal Psychology
Study of the deviant individual from both the dynamic and behavioral viewpoints. The diagnosis, etiology, treatment and prevention of maladaptive behavior are considered. *3 Hrs.*

PSYC 305 Introduction to Counseling
An introduction to various theories of behavior change, including dynamic, behavioral, cognitive, humanistic and existential approaches to therapy. Individual, group and family therapies will be discussed. Prerequisite: Either Psychology 302 or 304. *3 Hrs.*

PSYC 306 Experimental Methods in Psychology
Application of experimental methods to problems in perception, learning and social behavior. Principles of research, including experimental design, uses of apparatus, and procedural and statistical control are considered. This course fulfills the writing-intensive course requirement. Prerequisite: Mathematics 206. This course must be taken concurrently with Psychology 306L. *3 Hrs.*

PSYC 306L Laboratory in Experimental Psychology
Study of techniques and procedures of psychological research and conducting of experiments in learning, perception, sensory processes, motivation and social behavior. Three hours laboratory per week. This course must be taken concurrently with Psychology 306. *1 Hr.*

PSYC 308 The Exceptional Child
Study of the psychological problems of children who deviate from normative patterns of growth and development. Prerequisite: Psychology 320 or permission of the instructor. *3 Hrs.*

PSYC 311 Psychological Tests
Introductory study of principles of test evaluation and interpretation and consideration of examples of the major types of psychological tests in reference to these principles. Prerequisite: Mathematics 206. *3 Hrs.*

PSYC 312 Sensation and Perception
An introduction to the processes by which humans receive and interpret information from the environment. Sensory coding, information processing, perceptual development, perceptual illusions and psychophysical methods are among the topics discussed. *3 Hrs.*

PSYC 314 Psychology of Learning
Survey of empirical findings on respondent and operant conditioning, and on human verbal learning, with consideration of research methods and design; critical examination of historical and contemporary learning theory. *3 Hrs.*

PSYC 315 Laboratory in Conditioning and Learning
Conducting experiments in respondent and operant conditioning and in human verbal learning. Prerequisite/ Corequisite: Psychology 314. Three hours laboratory per week. *1 Hr.*

PSYC 316 Cognitive Psychology
Scientific study of mental processes involved in the acquisition, storage, retrieval and use of knowledge. This course covers theory and research in cognitive psychology as applied to topics such as attention, memory, language and problem solving. *3 Hrs.*

PSYC 320 Developmental Psychology
An introduction to developmental processes from conception to old age. The emphasis in the course is on developmental principles, theoretical views and recent research. *3 Hrs.*

PSYC 330 Psychology of Adulthood and Aging
This course will provide an examination of the factors that contribute to the psychological profile characterizing adulthood and old age, with concentration on old age. Emphasis will be placed on theories and processes underlying continuity and change with age. Field trips to a nursing home will augment class lectures and serve as a basis for discussion of new issues in applied research and service provision for older persons. *3 Hrs.*

PSYC 352 Topics in Psychology
Intensive consideration of a problem in psychology. The topic for the course will vary from term to term. May be repeated with different subtitles. Prerequisite: Sophomore status or above. *3 Hrs.*

PSYC 400 Advanced General Psychology, I
A restudy and synthesis of basic psychological principles. Prerequisite: 21 hours of psychology courses and senior status. *2 Hrs.*

PSYC 401 Advanced General Psychology, II
Consideration of the major areas of psychology from classical positions through contemporary viewpoints. Prerequisite/ Corequisite: Psychology 400. *3 Hrs.*

PSYC 412 Physiological Psychology
Introduction to the nervous system and internal environment and their effect upon behavior. Normal and abnormal conditions discussed with respect to sensation, learning, emotion and motivation. *3 Hrs.*

PSYC 421 Organizational Behavior
An examination of the behavioral aspects of organizations within our society. Specific topics include the interrelationships between the individual and informal and formal groups; group formation, cohesiveness, conformity, norms, interpersonal communications; conflict; authority, power and influence; leadership, motivation and performance. Students may elect this course as Business 421. *3 Hrs.*

PSYC 449, 450 Independent Research
Opportunity for independent investigation of topics by means of reading and/or experimentation. First term is devoted to formulating the problem, determining its method of investigation and compiling a bibliography; second term, to collecting the data and writing a report. Prerequisite: Permission of the department; also, Psychology 449 is prerequisite to Psychology 450. *1 Hr., 3 Hrs.*

PSYC 452 Directed Readings in Psychology
Independent investigation of a topic through a program of directed readings; oral examination conducted by department members. Admission by permission of instructor. May be repeated. *1, 2 or 3 Hrs.*

RELIGION

College study in religion should increase a student's awareness of the scope and variety of the ways human beings seek meaning in life. Courses in this department can aid the student in grasping what any religious heritage means and in evaluating the religious choices which persons and societies continually make.

Careers. For information on the Queens-Presbyterian School of Christian Education Dual Degree Program, see the department chair or page 52 of this *Catalog.*

Major. Requirements for the B.A. degree with a philosophy/religion major are listed on page 163.

RELG 205 The Old Testament
Introduction to the nature of the biblical writings and to methods of Bible study. The history, literature and faith of the people of Israel as seen in the Old Testament. *3 Hrs.*

RELG 206 The New Testament
The history, literature and faith of the early Christian community as seen in the New Testament. Students intending to take six hours in the Bible should enroll in Religion 205 prior to Religion 206. *3 Hrs.*

RELG 210 Introduction to World Religions
A study of the religions of the world, including prehistoric beginnings. Study will include religions indigenous to North America, Africa, India, China, Japan and the Middle East. Major emphasis will be on Judaism, Christianity and Islam as religions of the West; and Buddhism, Hinduism and Taoism as religions of the East. *3 Hrs.*

RELG 306 Prophetic Religion
The prophetic movement in Israel; context and message of major Hebrew prophets and selected minor figures; significance of the prophetic style within present-day society. Prerequisite: Religion 205 or permission of the instructor. *3 Hrs.*

RELG 310 The Book of Revelation and Apocalytic Thought
An examination of the origin and meaning of apocalypticism, particularly the New Testament apocalypse, the book of Revelation. Students will also study the influence of apocalypticism in English literature and on contemporary life and thought as reflected in political movements (communism, for example), popular songs and films, television evangelism and current religious thought. No prerequisite, although a course in the New Testament would be helpful. *3 Hrs.*

RELG 323 The Renaissance and Reformation
A study of the European World during the revolution of the Renaissance and Reformation. While the course focuses on the great cultural and religious issues of the time, it also examines the social, political and economic dimensions of these two revolutionary movements. Prerequisite: History 201 or permission of the instructor. Students may elect this course as History 306. *3 Hrs.*

RELG 344 Christian Ethics
Historical and systemic examination of the issues in Christian ethical thought and of the problems of Christian norms for action, with special attention to major contemporary Christian theorists. Recommended: A course in New Testament. *3 Hrs.*

RELG 345 Religion in America
Historical analysis of American leaders and movements in religion, with special attention to continuing social and theological problems. Students may elect this course as History 345. *3 Hrs.*

RELG 349 Topics in Religion
Concentrated study of a particular person or issue in the field of religion. Topics as proposed will be chosen by the department and approved by the Educational Programs and Curriculum Committee to supplement regular offerings and to cover specialized problems. Course may be repeated for credit with different subtitles.
1, 2 or 3 Hrs.

RELG 350 Directed Readings
Faculty-supervised reading of a department-approved bibliography; results to be reviewed at a weekly tutorial, concluding oral review by department. May be repeated for credit. *1, 2 or 3 Hrs.*

SOCIOLOGY

Sociology is the study of group life: its characteristics, changes, causes and consequences. It combines scientific and humanistic perspectives in the study of urban and rural life, family patterns and relationships, social change, intergroup relations, social class, environment, technology and communications, health seeking behavior, as well as social movements and community responses to disasters — natural and created.

Prerequisite. Sociology 203 is prerequisite to all other sociology courses.

SOCI 203 Principles of Sociology
Basic concepts and principles of sociology; relationships and meaning of culture, society, personality and interaction; analysis of group structure and social organization. *3 Hrs.*

SOCI 213 General Anthropology
A study of the human origins, prehistory and cultural existence from its less-complex forms to early civilization. An introduction to the concepts, methods and data of physical and archeological anthropology.
3 Hrs.

SOCI 300 Specialized Areas in Sociology
The topics for each term are included in the class schedule. Offered on demand. Prerequisites: Upperclass standing or permission of the instructor. *3 Hrs.*

SOCI 302 Social Issues and Problems
A sociological consideration of critical issues in contemporary society

relating to individual deviation, social disorganization and social change; emphasis on causal factors, societal response and proposed solutions. *3 Hrs.*

SOCI 303 Social Psychology

Study of the behavior of the individual in society, including attitude formation and measurement, interpersonal perceptions and behavior of the individual in groups. Prerequisite: Psychology 201. Students may elect this course as Psychology 303. *3 Hrs.*

SOCI 304 Marriage and Family

A study of the family as a social institution; types of family life; changing familial roles in contemporary society. Prerequisite: Upperclass standing or permission of the instructor. *3 Hrs.*

SOCI 308 Individual in Society

Study of the various social agents and processes that act on the individual throughout life to mold behavior into socially approved patterns. Focus on American society and the influence of the family, the media, the school, the peer group and the workplace on individual behavior. Examines the processes of socialization as they are affected by sex, race and social class. *3 Hrs.*

SOCI 311 Social Theory

Study of the historical foundations of sociological thought, with emphasis on the work of Marx, Durkheim and Weber. Review of the major contemporary theoretical perspectives. Prerequisite: Six credit hours of sociology. *3 Hrs.*

SOCI 313 Cultural Anthropology

Comparative study of culture with emphasis on preliterate societies; past and present variation of man and culture. Factors in stability and change and relation of culture to personality. *3 Hrs.*

SOCI 315 Methods of Sociological Inquiry

The scientific method applied to social phenomena; methodological orientations in sociology; research procedures; techniques for collecting data, measuring social variables and interpreting research findings. This course fulfills the writing-intensive course requirement. Prerequisite: Mathematics 206 and Computer Science 105 or 200. (Computer Science 105 or 200 may be taken concurrently.) *3 Hrs.*

SOCI 316 Women in Society

An analysis of the female in regard to sex-role stereotyping through an examination of the status of women, cross-cultural role differences and the dynamics of socialization. *3 Hrs.*

SOCI 319 Deviant and Criminal Behavior

An examination of behaviors that violate significant social norms, how such acts come to be defined as deviant or criminal, the social functions and dysfunctions of deviance, and the means of social control used to encourage conformity and inhibit rule-breaking. *3 Hrs.*

SOCI 330 Directed Individual Study
Independent reading and investigation of the literature relevant to a specific topic in sociology. Prerequisites: Junior or senior standing, permission of the instructor, minimum GPA of 3.000. *1, 2 or 3 Hrs.*

SOCI 340 Social Inequality
An examination of systems of social stratification; theoretical perspectives on stratification and differentiation; the interaction of class and status; consequences of class differences in modern America. *3 Hrs.*

SOCI 345 Racial and Ethnic Minorities
Analysis of majority-minority group relations and social processes. Study of origins and consequences of prejudice. Focuses on experience of ethnic and racial minority groups in American culture. *3 Hrs.*

SOCI 420 Population
An analysis of human behavioral patterns, values and ideologies that are relevant to the number, distribution and composition of populations, including an examination of the interrelationships of the components of population analysis: fertility, mortality and migration. *3 Hrs.*

SOCI 425 Urban Sociology
A study of the genesis, growth and spatial patterns of cities, including an analysis of the distribution and function of metropolises from an ecological perspective. Attention is also given to contemporary urban problems. *3 Hrs.*

SOCI 460 Senior Seminar
Consideration of major sociological issues with emphasis on current literature and research. Open to seniors or by permission of instructor. *3 Hrs.*

SPANISH

A foreign language major with an option to choose one language or two languages is offered. Students may choose between French and Spanish. Foreign Language major requirements are listed under Foreign Language, page 115.

Writing-intensive course requirement. The writing-intensive course requirement is met with one course chosen from SPAN 310 and 320.

SPAN 101, 102 Elementary Spanish I and II
Presentation of basic grammatical structure with emphasis on correct oral and written use of the language; introduction to the Hispanic civilization. *3 Hrs., 3 Hrs.*

SPAN 220 Intermediate Spanish Grammar and Composition

Review and more advanced study of the language with emphasis placed on structure and the written expression of thoughts. Prerequisite: Spanish 101 and 102 or permission of the department. *3 Hrs.*

SPAN 230 Intermediate Spanish Reading and Conversation

Review and more advanced study of the language with emphasis placed on oral use and readings of various texts. Prerequisite: Spanish 101 and 102 or permission of the department. *3 Hrs.*

SPAN 310 Advanced Grammar and Translation

A thorough review and expansion of Spanish grammar with emphasis on translation. Prerequisite: Spanish 220 or 230 or permission of the department. *3 Hrs.*

SPAN 320 Advanced Composition

Application of the principles of Spanish grammar through writing to increase fluency. This course fulfills the writing intensive course requirement. Prerequisite: Spanish 220 or 230 or permission of the department. *3 Hrs.*

SPAN 330 Reading for Comprehension and Vocabulary

Development of reading skills through the study of various journalistic, historical and literary texts in order to increase vocabulary and enhance comprehension. Prerequisite: Spanish 220 or 230 or permission of the department. *3 Hrs.*

SPAN 340 Advanced Conversation

Advanced oral training, through discussions, debates and presentations with stress on pronunciation, intonation and correct modes of expression. Prerequisite: Spanish 220 or 230 or permission of the department. *3 Hrs.*

SPAN 341 Spanish Literary Classics

Major literary works from various periods of Spanish literature chosen for their value as contributions to world literature. Works to be read in original, papers and tests to be written in Spanish. *3 Hrs.*

SPAN 349 Commercial Spanish

A study of the structure and style of Spanish business letters, routine messages and communication. Emphasis on commercial, banking and telecommunication terminology. *3 Hrs.*

SPAN 350 Hispanic Literature

The study of major literary works with the goal of understanding some of the important cultural, socioeconomic and political ideas that have shaped the societies of Spanish countries. Prerequisite: Spanish 220 or 230 or permission of the department. *3 Hrs.*

SPAN 360 **Issues of Hispanic Life**
The study of cultural, socioeconomic and political issues facing Hispanic cultures as well as the historical trends which have shaped present-day society. Prerequisite: Spanish 220 or 230 or permission of the department. *3 Hrs.*

SPAN 370 **Topics in Spanish Studies**
Course designed to address a specific topic or area of Spanish/Latin American Studies. Topic will be announced the semester preceding the offering. *3 Hrs.*

SPAN 372 **Elementary Translating**
Comparative analysis of translated texts; questions of restructuring texts and adding or subtracting material; style/audience relationship; simple translations from source language to English; sight translation. *3 Hrs.*

SPAN 374 **Advanced Translating**
Study of professional journals in the field of translation; specific problems of source/target language equivalents; expansion of working dictionaries; oral reports on work in progress; translating of substantial text(s) in field of specialization. Texts may be scientific, technical, commercial, scholarly or literary, depending on field of specialization. *3 Hrs.*

SPAN 400 **Directed Readings in Spanish**
Directed study of a topic requiring the use of Spanish-language sources. *1, 2 or 3 Hrs.*

SPAN 442 **Methods and Materials for Foreign Language Teaching**
Required for students who wish to teach foreign language at the secondary and/or elementary level. Study of current trends in methodology, resources, materials and strategies applicable to foreign language instruction. *3 Hrs.*

CONCENTRATIONS AND PRE-PROFESSIONAL PROGRAMS

CONCENTRATIONS

Requirements for concentrations are listed on the following pages. In general, a concentration from a different area than the major must be completed. There are a few majors, however, which have a required concentration. Concentrations must be approved by the faculty advisor for the student's major.

A student, in consultation with the faculty advisor and other faculty members, may design his or her own concentration. Forms for this purpose are available in the Office of Academic Affairs. For approval of a self-designed concentration, a student must submit the completed form which has been signed by the faculty advisor and the heads of all departments with courses involved to the Office of Academic Affairs. The Office of Academic Affairs will obtain final approval from the Curriculum Committee and will then notify the student.

PRE-PROFESSIONAL PROGRAMS

The courses listed on page 195 are recommended for students in any major who wish to pursue professional studies after graduation. Students who plan to apply to professional programs should check the admissions requirements for each school to which they might apply.

DEPARTMENTAL CONCENTRATIONS

Offered for any major in the college

Division of Humanities

American Literature
British Literature
Communications
Corporate Communications
Dramatic Literature
European History
French
German
Journalism
Philosophy
Religion
Spanish
Theatre
U.S. History
Writing

Division of Business Administration

Business Administration I
Computer Information Systems
Marketing

Division of Natural Sciences & Mathematics

Actuarial Science
Applied Mathematics
Biological Sciences
Chemistry
Human Biology
Mathematics
Mathematics for Critical Thinking

Division of Social Sciences & Education

American Political Studies
Asian Political Studies
Political Science
Psychology
Sociology

Division of Fine Arts

Art
Art History
Music
Music History

MULTIDISCIPLINARY CONCENTRATIONS

Offered for any major in the college

Ancient History
Contemporary Intellectual
& Cultural Studies
Ethics
European Political Studies
Health Sciences
Intellectual & Cultural Studies
Intellectual History
International Business Environment
Mathematics/Chemistry
Physical Sciences I
Physical Sciences II
Physical Sciences III
Political Economy
Political History
Pre-Law

RESTRICTED CONCENTRATIONS

The following interdisciplinary concentrations are required for the major listed with them and are not open to other majors.

Applied Instrumental concentration
Instrumental Performance major
Applied Voice concentration
Voice major
Business Administration II concentration
Accounting major
Choice between Visual Arts, Comparative Music, Literature, or Drama/theatre concentrations
Comparative Arts major
Psychology/Sciences concentration
Music Therapy major

The following interdisciplinary concentration is not required for the major listed with it but may only be taken by that designated major.

Arts Management concentration
Art, Music or English/drama majors only

DIVISION OF HUMANITIES

American Literature Concentration

ENGL 230	Survey of American Literature	
ENGL 324	19th Century American Literature	
ENGL 328	Modern American Literature	
ENGL 333	Southern Literature	
ENGL 332	African American Literature	
	Total Hours	**15 Hrs.**

British Literature Concentration

ENGL 210	British Literary History I	
ENGL 220	British Literary History II	
Plus three courses from:		
ENGL 309	Chaucer and Medieval Literature	
ENGL 313	Shakespeare	
ENGL 318	The Seventeenth Century	
ENGL 322	The Romantics	
ENGL 326	Modern British Literature	
	Total Hours	**15 Hrs.**

Communications Concentration

COMM 110	Intro to Mass Communications	
COMM 200	Public Speaking	
COMM 301	Fundamentals of Human Communication	
COMM 305	Organizational Communication	
Choose one:		
COMM 204	Intro to News Writing and Editing	
COMM 207	Nonfiction Writing	
or		
ENGL 207	Nonfiction Writing	
	Total Hours	**15 Hrs.**

Corporate Communications Concentration

COMM 301	Fundamentals of Human Communications	
COMM 303	Persuasion and Communication Campaigns	
COMM 305	Organizational Communication	
COMM 341	Advertising	
COMM 342	Public Relations	
	Total Hours	**15 Hrs.**

Dramatic Literature Concentration

DRAM/ENGL 303	Maj Figures/World Drama: Ancient to Renaissance	
DRAM/ENGL 304	Maj Figures/World Drama: Renaissance to Modern	
ENGL 313	Shakespeare	
Choose one:		
DRAM 327	Modern Drama	
DRAM 355	Topics in Dramatic Literature	
Choose one:		
DRAM 336	Tragedy	
DRAM 337	Comedy	
	Total Hours	**15 Hrs.**

European History Concentration

HIST 201	The Emergence of the West
HIST 202	The West in the World

Plus three courses chosen from:

HIST 303	Ancient Greece
HIST 304	Ancient Rome
HIST 305	Medieval History
HIST 306	Renaissance and Reformation
HIST 308	19th Century Europe
HIST 309	Contemporary Europe
HIST 330	British History
HIST 331	Russian History
HIST 332	German History

Total Hours **15 Hrs.**

French Concentration

Complete 15 hours of French coursework, at or above the 200-level.

Total Hours **15 Hrs.**

German Concentration

Complete 15 hours of German coursework, at or above the 200-level.

Total Hours **15 Hrs.**

Journalism Concentration

COMM 204	Introduction to News Writing and Editing
COMM 213	Practicum in Communications, *Chronicle*
COMM 304	Advanced Writing for the Media
COMM 310	Broadcast Journalism

Choose one:

COMM 207	Nonfiction Writing
ENGL 306	Introduction to Creative Writing

Total Hours **13 to 15 Hrs.**

Philosophy Concentration

PHIL 203	Introduction to Philosophy
PHIL 204	Introduction to Logic

Plus three additional philosophy courses

Total Hours **15 Hrs.**

Religion Concentration

RELG 205	Old Testament
RELG 206	New Testament
RELG 210	World Religions

Two 300-level Religion courses

ART 345, Art and Religion, and HIST or RELG 345, Religion in America, and PHIL 220, Philosophy of Religion, can be included

Total Hours **15 Hrs.**

Spanish Concentration

Complete 15 hours of Spanish coursework, at or above the 200-level

Total Hours **15 Hrs.**

Theatre Concentration

DRAM 103	The Sounds of Standard American English	
DRAM 250	Beginning Action	
DRAM 315	Theatrical Production Technique	
DRAM 317	Practicum in Play Production	
DRAM 350	Advanced Acting	
DRAM 352	Directing	
	Total Hours	**16 Hrs.**

United States History Concentration

HIST 203	The United States to 1877	
HIST 204	The United States since 1877	
Plus three courses chosen from:.		
HIST 315	Oral History	
HIST 325	American Foreign Policy	
HIST 340	African-American History	
HIST 343	The United States at War in Vietnam	
HIST 345	Religion in America	
HIST 346	North Carolina History	
HIST 347	The Old South	
HIST 348	The New South	
HIST 349	The Civil War and Reconstruction	
HIST 350	The American Revolution	
HIST 389	Topics in United States History	
HIST 392	American Women	
HIST 395	Intellectual History of the United States	
HIST 397	The United States: 1920 to 1945	
HIST 398	The United States: 1945 to the Present	
	Total Hours	**15 Hrs.**

Writing Concentration

ENGL 207	Nonfiction Writing	
ENGL 306	Introduction to Creative Writing	
ENGL 308	Writing of Poetry	
Plus: Two modern literature courses, 300-level or above		
	Total Hours	**15 Hrs.**

DIVISION OF BUSINESS ADMINISTRATION

Business Administration Concentration I

BUSN 115	Introduction to Business	
BUSN 207	Financial Accounting I	
BCIS 110	Fundamentals of Microcomputers	
Choose one course:		
BUSN 320	Business Ethics	
BUSN 340	Marketing	
Choose one course:		
ECON 203	Principles of Macroeconomics	
ECON 204	Principles of Microeconomics	
	Total Hours	**15 Hrs.**

Computer Information Systems Concentration

Most courses are offered at night only

BCIS 105*	Introduction to Information Systems
BCIS 110*	Fundamentals of Microcomputers
BCIS 240	Business Applications Programmming I
BCIS 480	Systems Analysis, Design and Implementation

** Test available to waive course*

Continued . . .

Choose one:

BCIS 250	Business Applications Programming II	
BCIS 350	Database Business Applications	
BCIS 490	Current Issues in Computer Information Systems	
	Total Hours	**15 Hrs.**

** Test available to waive course*

Marketing Concentration

BUSN 340	Marketing	
BUSN 452	Marketing Management	
Choose two of the following courses:		
BUSN 351	Consumer Behavior	
BUSN 420	International Business	
BUSN 453	Marketing Research	
BUSN 353	Promotion Management	
or		
COMM 341	Advertising	
	Total Hours	**15 Hrs.**

DIVISION OF NATURAL SCIENCES AND MATHEMATICS

Actuarial Science Concentration

MATH 121	Calculus I	
MATH 122	Calculus II	
MATH 221	Calculus III	
MATH 206	Statistical Methods	
MATH 303	Linear Algebra	
MATH 405	Intro. to Probability and Mathematical Statistics	
	Total Hours	**20 Hrs.**

Applied Mathematics Concentration

MATH 121	Calculus I	
MATH 122	Calculus II	
MATH 206	Statistical Methods	
MATH 311	Differential Equations	
MATH 405	Introduction to Probability and Statistics	
	Total Hours	**15 Hrs.**

Biological Sciences Concentration

BIOL 103	Principles of Biology	
BIOL 201	Invertebrate Zoology	
BIOL 202	Vertebrate Zoology	
BIOL 204	Botany	
	Total Hours	**16 Hrs.**

Chemistry Concentration

CHEM 111, 111L	Chemistry Principles I & Lab	
CHEM 112, 112L	Chemistry Principles II & Lab	
CHEM 303, 303L	Organic Chemistry I & Lab	
CHEM 305, 305L	Quantitative Analysis & Lab	
	Total Hours	**16 Hrs.**

Human Biology Concentration

BIOL 103	Principles of Biology	
BIOL 111, 111L	Human Anatomy	
BIOL 112	Human Physiology	
BIOL 402	Genetics	
	Total Hours	**16 Hrs.**

Mathematics Concentration

MATH 121	Calculus I	
MATH 122	Calculus II	
MATH 303	Linear Algebra	
MATH 311	Differential Equations	
One more mathematics course, 400-level		
	Total Hours	**15 Hrs.**

Mathematics for Critical Thinking Concentration

MATH 121	Calculus I	
MATH 206	Statistical Methods	
MATH 304	Geometry	
MATH 343	Number Theory	
PHIL 204	Logic	
	Total Hours	**15 Hrs.**

DIVISION OF SOCIAL SCIENCES AND EDUCATION

American Political Studies Concentration

POLS 201	Introduction to American Politics	
POLS 300	Topics in Political Science	
POLS 313	Constitutional Law and the Judicial System	
POLS 315	Congress and the Presidency	
POLS 326	American Foreign Policy	
	Total Hours	**15 Hrs.**

Asian Political Studies Concentration

POLS 250	Introduction to Comparative Politics	
POLS 305	Asian Politics and Society	
POLS 425	Chinese Politics	
HIST 391	Contemporary Chinese Political History	
Choose one:		
INTS 303	Topics in Developing Countries	
or		
POLS 300	Topics in Political Science	
	Total Hours	**15 Hrs.**

Political Science Concentration

POLS 201	Introduction to American Politics	
POLS 250	Introduction to Comparative Politics	
POLS 270	Introduction to World Politics	
POLS 335	Social and Political Thought	
Choose one:		
POLS 301	European Political Systems	
or		
POLS 306	Developing Political Systems	
	Total Hours	**15 Hrs.**

Psychology Concentration

PSYC 201	General Psychology	
PSYC 302	Theories of Personality	
or		
PSYC 304	Abnormal Psychology	
PSYC 303	Social Psychology	
PSYC 314	Psychology of Learning	
PSYC 320	Developmental Psychology	
	Total Hours	**15 Hrs.**

Sociology Concentration

SOCI 203	Principles of Sociology	
PSYC 303	Social Psychology	
POLS 335	Social and Political Thought	
Plus: Two additional sociology courses at or above the 300-level		
	Total Hours	**15 Hrs.**

DIVISION OF FINE ARTS

Art Concentration

ART 101	Introduction to Art	
ART 132	Design	
Choose one:		
ART 215	Ancient to Early Renaissance Art	
ART 216	High Renaissance Art to the Present Time	
Two additional art courses		
	Total Hours	**15 Hrs.**

Art History Concentration

ART 215	Ancient to Early Renaissance	
ART 216	High Renaissance Art to the Present Day	
Choose three from the following:		
ART 307	Art in the United States	
ART 315	Art of the Modern Era, 1870 to Present	
ART 345	Art and Religion in the West	
ART 407	Topics in Art History	
ART 415	Art Since 1945	
	Total Hours	**15 Hrs.**

Music Concentration

MUSC 100	Introduction to Music	
MUSC 103	Theory and Composition I	
MUSC 171	Applied Music	
MUSC 181	Applied Music	
MUSC 185	Ensemble	
MUSC 186	Ensemble	
One music history course, at or above the 300-level		
	Total Hours	**13 Hrs.**

Music History Concentration

MUSC 200	Pop Music in America	
MUSC 319	Study of a Composer	
MUSC 321	Music History and Literature I	
MUSC 322	Music History and Literature II	
MUSC 406	Topics in Music History and Literature	
	Total Hours	**15 Hrs.**

INTERDISCIPLINARY CONCENTRATIONS — OPEN TO ALL MAJORS

Ancient History Concentration

HIST 201	The Emergence of the West	
HIST 303	Ancient Greece	
HIST 304	Ancient Rome	
Choose two courses:		
ART 215	Ancient to Early Renaissance Art	
PHIL 230	Ancient & Medieval Western Philosophy	
RELG 205	Old Testament	
RELG 206	New Testament	
RELG 306	Prophetic Religion	
RELG 310	The Book of Revelation	
ENGL 303	Major Figures in World Drama: Ancient Greece to the Renaissance	
	Total Hours	**15 Hrs.**

Contemporary Intellectual & Cultural Studies Concentration

PHIL 304	Contemporary Western Philosophy	
Choose one:		
HIST 309	Contemporary Europe	
HIST 398	The U.S.: 1945 to the Present	
Choose one:		
ART 315	Art of the Modern Era, 1879 to the Present	
ART 415	Art Since 1945	
Choose one:		
HIST 361	Ideas & Values in Conflict in History	
HIST 362	Contemporary Ideas & Values	
HIST 363	History of our Time	
Choose one:		
DRAM 231	History of Film	
DRAM 233	Television History & Criticism	
ENGL 326	Modern British Literature	
DRAM 327	Modern Drama	
or		
ENGL 327	Modern Drama	
ENGL 328	Modern American Literature	
ENGL 350	Contemporary Literature	
	Total Hours	**15 Hrs.**

Ethics Concentration

LLRN 410 serves as a core requirement but does not count for credit since this course is required of all students

Choose five courses:		
BUSN 320	Business Ethics	
COMM 415	Media and Society	
HIST 361	Ideas and Values in Conflict in History	
HIST 362	Contemporary Ideas and Values	
PHIL 304	Contemporary Philosophy	
PHIL 305	Medical Ethics	
RELG 206	New Testament	
RELG 344	Christian Ethics	
	Total Hours	**15 Hrs.**

European Political Studies Concentration

POLS 250	Introduction to Comparative Politics
POLS 301	European Politics
HIST 309	Contemporary Europe

Choose two courses:

HIST 330	British History
HIST 331	Russian History
HIST 332	German History
	Total Hours 15 Hrs.

Health Sciences Concentration

(Required for nursing major; also open to other majors)

BIOL 111,111L	Human Anatomy & Lab
BIOL 112	Human Physiology & Lab
BIOL 120	Medical Microbiology
CHEM 101,101L	General Chemistry I & Lab
CHEM 102,102L	General Chemistry II & Lab
	Total Hours 20 Hrs.

Intellectual and Cultural Studies Concentration

Choose one or two courses from each of the following disciplines for a total of 5 courses

Choose one or two:

ART 215	Ancient to Early Renaissance Art
ART 216	High Renaissance Art to Contemporary Art
ART 315	Art of the Modern Era
ART 345	Art & Religion in the West
ART 415	Art Since 1945

Choose one or two:

HIST 345	Religion in America
HIST 361	Ideas & Values in Conflict in History
HIST 362	Contemporary Ideas & Values
HIST 363	History of Our Time
HIST 395	Intellectual History of the U.S.

Choose one or two:

PHIL 203	Introduction to Philosophy
PHIL 220	Philosophy of Religion
PHIL 230	Ancient & Medieval Western Philosophy
PHIL 255	American Philosophy
PHIL 304	Contemporary Western Philosophy
	Total Hours 15 Hrs.

Intellectual History Concentration

Choose three courses:

HIST 345	Religion in America
HIST 361	Ideas & Values in Conflict in History
HIST 362	Contemporary Ideas & Values
HIST 363	History of Our Time
HIST 395	Intellectual History of the U.S.

Choose two courses:

PHIL 203	Introduction to Philosophy
PHIL 220	Philosophy of Religion
PHIL 230	Ancient & Medieval Western Philosophy
PHIL 255	American Philosophy
PHIL 304	Contemporary Western Philosophy
	Total Hours 15 Hrs.

International Business Environment Concentration

BUSN 420	International Business.

Choose four of the following courses:

Consult with the International Business coordinator to identify a focused set of courses. (These courses are being reviewed; will be announced later)

Mathematics/Chemistry Concentration

(Required for biology, B.A., major; also open to other majors)

CHEM 111,111L	Chemistry Principles I & Lab	
CHEM 112,112L	Chemistry Principles II & Lab	

Choose two of the following courses:

MATH 105	Finite Mathematics	
MATH 111	Precalculus	
MATH 121	Calculus I	
MATH 122	Calculus II	
MATH 206	Statistical Methods	
	Total Hours	**14 Hrs.**

Physical Sciences Concentration I

(Required for biology, B.S., major; also open to other majors)

CHEM 111, 111L	Chemistry Principles I & Lab	
CHEM 112, 112L	Chemistry Principles II & Lab	
CHEM 303, 303L	Organic Chemistry I & Lab	
CHEM 304, 304L	Organic Chemistry II & Lab	
PHYS 101	General Physics	
PHYS 102	General Physics	
MATH 121	Calculus I	

Choose one course:

MATH 122	Calculus II	
MATH 206	Statistical Methods	
	Total Hours	**30 Hrs.**

Physical Sciences Concentration II

(Required for biochemistry major; also open to other majors)

PHYS 101	General Physics	
PHYS 102	General Physics	
MATH 121	Calculus I	
MATH 122	Calculus II	
CSCI 131	Computer Science I	
	Total Hours	**17 Hrs.**

Physical Sciences Concentration III

CHEM 111, 111L	Chemistry Principles I & Lab	
CHEM 112, 112L	Chemistry Principles II & Lab	
PHYS 101	General Physics	
PHYS 102	General Physics	
	Total Hours	**16 Hrs.**

Political Economy Concentration

ECON 203	Principles of Macroeconomics	
ECON 355	Capitalism	
POLS 201	American Politics	
POLS 305	Politics and Society of Asia	

Choose one course:

POLS 250	Introduction to Comparative Politics	
ECON 454	International Trade	
	Total Hours	**15 Hrs.**

Political History Concentration

POLS 250	Introduction to Comparative Politics	
Choose one course:		
HIST 308	19th Century Europe	
HIST 309	Contemporary Europe	
Choose one course:		
HIST 307	History of Latin America	
HIST 391	Topics in World History	
Choose one course:		
POLS 326	Contemporary American Foreign Policy	
HIST 343	The United States at War in Vietnam	
HIST 347	The Old South	
HIST 348	The New South	
HIST 349	The Civil War and Reconstruction	
HIST 398	The United States: 1945 to the Present	
Choose one course:		
HIST 361	Ideas and Values in Conflict in History	
HIST 362	Contemporary Ideas & Values	
HIST 363	The History of Our Times	
	Total Hours	**15 Hrs.**

Pre-Law Concentration

BUSN 305	Business Law I	
COMM 207	Non-fiction Writing	
PHIL 204	Logic	
POLS 313	Constitutional Law & Judicial Systems	
Choose two courses:		
BUSN 207	Financial Accounting	
BUSN 315	Business Law II	
COMM 200	Public Speaking	
ECON 203	Principles of Macroeconomics	
PSYC 303	Social Psychology	
SOCI 203	Principles of Sociology	
	Total Hours	**18 Hrs.**

RESTRICTED CONCENTRATIONS (CERTAIN MAJORS ONLY)

Arts Management Concentration

(restricted to majors in art, music, and English/drama)

BUSN 115	Introduction to Business	
COMM 110	Introduction to Mass Communication	
BUSN 340	Marketing	
COMM 342	Public Relations	
Choose one course:		
BUSN 333	Principles of Management	
COMM 207	Non-Fiction Writing	
or		
ENGL 207	Non-Fiction Writing	
	Total Hours	**15 Hrs.**

Business Administration Concentration II

(Required for accounting majors; not open to other majors)

BCIS 110	Fundamentals of Microcomputers
ECON 204	Principles of Microeconomics

Continued . . .

BUSN 320	Business Ethics	
BUSN 340	Marketing	
BUSN 360	Corporate Finance	
	Total Hours	**15 Hrs.**

Psychology/Science Concentration
(Required for music therapy majors; not open to other majors)

PSYC 201	General Psychology	
PSYC 304	Abnormal Psychology	
PSYC 308	The Exceptional Child	
PSYC 320	Developmental Psychology	
BIOL 111, 111L	Human Anatomy & Lab	
Elective in Psychology or other science		
	Total Hours	**20 Hrs.**

Applied Voice Concentration
(Required for voice, B.M. majors; not open to other majors)

Applied Voice courses	**21 Hrs.**

Applied Instrumental Concentration
(Required for instrumental performance, B.M. majors; not open to other majors)

Applied Instrument courses in a single instrument	**21 Hrs.**

PRE-PROFESSIONAL PROGRAMS

Pre-Law
See Pre-Law concentration, page 194.

Pre-Medical/Pre-Dental Program

BIOL 103	Principles of Biology	
BIOL 202	Vertebrate Biology	
CHEM 111, 111L	Chemical Principles I & Lab	
CHEM 112, 112L	Chemical Principles II & Lab	
CHEM 303, 303L	Organic Chemistry I & Lab	
CHEM 304, 304L	Organic Chemistry II & Lab	
PHYS 101	General Physics I	
PHYS 102	General Physics II	
MATH 111	Precalculus	
Total		**35 Hrs.**

In addition to the above, the following courses are recommended:

BIOL 207	Microbiology
BIOL 401	Comparative Physiology
BIOL 402	Genetics
CHEM 403, 403L	Biochemistry I and Lab
CHEM 404, 404L	Biochemistry II and Lab
MATH 121	Calculus

Pre-Physical Therapy Program

MATH 104	Mathematical Ideas	
or		
MATH 111	Precalculus	
or		
MATH 121	Calculus I	
BIOL 207	Microbiology	
or		
BIOL 402	Genetics	
or		
BIOL 403	Developmental Biology	
Plus:		
MATH 206	Statistics	
BIOL 111, 111L	Human Anatomy & Lab	
BIOL 103	Principles of Biology	
BIOL 401*	Comparative Physiology	
CHEM 111, 111L	Chemistry Principles I & Lab	
CHEM 112, 112L	Chemistry Principles II & Lab	
PHYS 101	General Physics	
PHYS 102	General Physics	
PSYC 201	General Psychology	
PSYC 304	Abnormal Psychology	
PSYC 320	Developmental Psychology	
	Total	**47 Hrs.**

* BIOL 112-Human Physiology will satisfy this requirement at some schools.

Pre-Occupational Therapy Program

MATH 104	Mathematical Ideas	
or		
MATH 111	Precalculus	
or		
MATH 121	Calculus I	
Plus:		
MATH 206	Statistics	
BIOL 103	Principles of Biology	
BIOL 111, 111L	Human Anatomy & Lab	
BIOL 112, 112L	Human Physiology & Lab	
CHEM 111, 111L	Chemistry Principles I & Lab	
CHEM 112, 112L	Chemistry Principles II & Lab	
PHYS 101	General Physics	
PHYS 102	General Physics	
PSYC 201	General Psychology	
PSYC 304	Abnormal Psychology	
Total		**40 Hrs.**

Pre-Veterinary Medicine Program

BIOL 103	Principles of Biology
BIOL 207	Microbiology
BIOL 402	Genetics
CHEM 111, 111L	Chemistry Principles I & Lab
CHEM 112, 112L	Chemistry Principles II & Lab
CHEM 303, 303L	Organic Chemistry I & Lab
CHEM 304, 304L	Organic Chemistry II & Lab
CHEM 403, 403L	Biochemistry I
MATH 121	Calculus I
MATH 206	Statistics
PHYS 101	General Physics
PHYS 102	General Physics
NURS 205	Nutrition
Total	**49 Hrs.**

BIOL 300, Cell Biology, and BIOL 410, Comparative Physiology, are strongly recommended.

— END —

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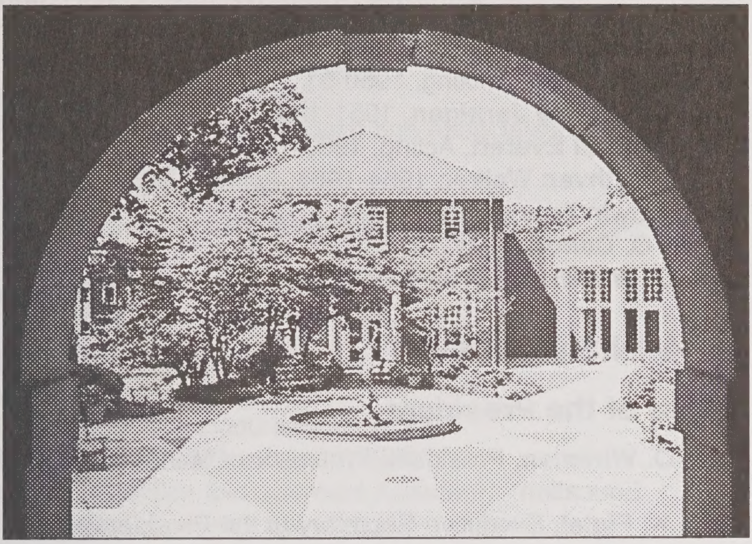
** post-graduate degree*



Diana Courtyard as seen from
an archway of Burwell Hall.

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Robert Burwell, 1857-1872
Robert Hett Chapman, 1872-1875
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William Robert Atkinson, 1878-1891
Lily W. Long, 1891-1899
James R. Bridges, 1899-1911
John Livy Caldwell, 1911-1916
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Henry Clay Evans, 1917-1918
William Anderson, Acting, 1918-1921

William Henry Frazer, 1921-1939
Hunter Bryson Blakely, 1939-1950
McAlister Carson, Acting, 1950-51
Charlton Coney Jernigan, 1951-1953
Herschel Hill Everett, Acting, 1953-1954
Edwin Ruthven Walker, 1954-1965; Acting, 1965-1967
John Edwin Smylie, 1967-1974
Alfred O. Canon, 1974-1977
Billy O. Wireman, 1978-Present

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Jeanie King, Head Coach, Women's Basketball
Joseph "J.D." Kyzer, Women's Soccer Coach
Charles Gordon, Men's Tennis Coach
Fred Norchi, Men's Soccer Coach
Phyllis Pharr, Women's Tennis Coach and Associate Professor of Physical Education
Sims Reeves, Men's Golf Coach
Jeff Aumend, Women's Softball Coach and Sports Information Director
Kelly Wasik, Trainer

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Lauren Corbett, Serials Document Librarian
Lawrence Turner, Public Services Librarian
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Colleen Turnage, Cataloging Specialist
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Joan S. Oviatt, Academic Affairs Administrative Software Specialist

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Melanie Cashio, Secretary

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Katherine Townsend, Director

Career Development

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Monica Russell, Secretary

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Joan Showers, Assistant Director of Adult Admissions
Susan L. Evans, Administrative Assistant for Adult Admissions
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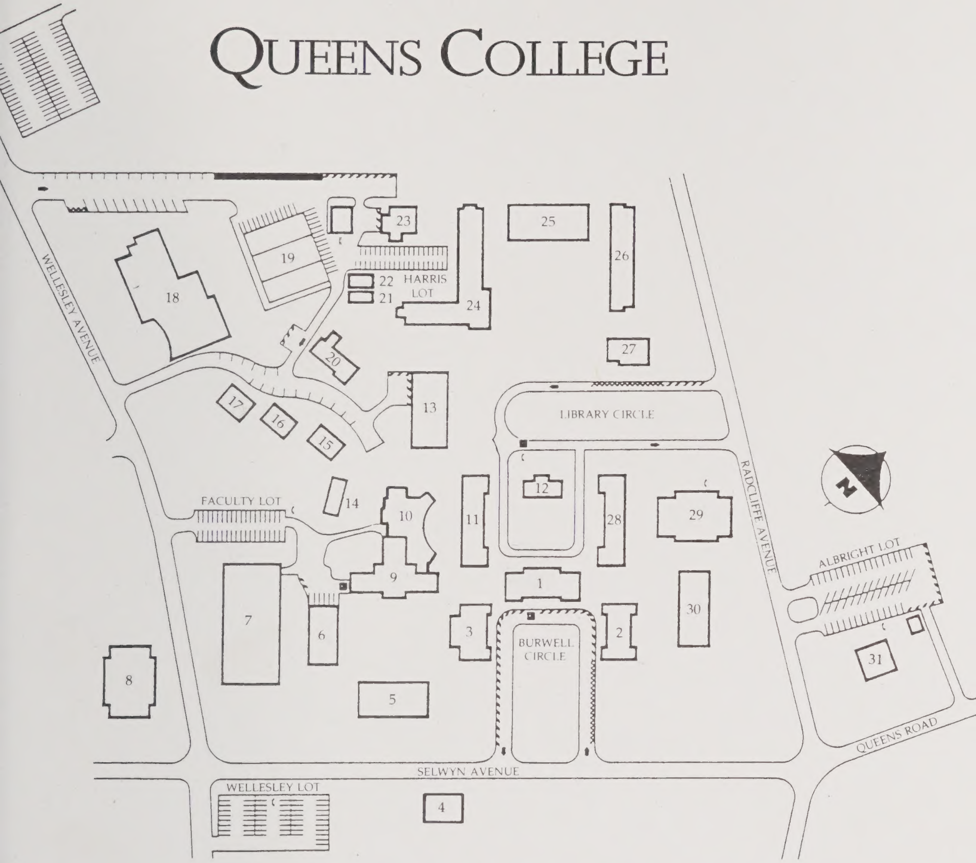
QUEENS COLLEGE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HARRIS LOT
LIBRARY CIRCLE
FACULTY LOT
RADCLIFFE AVENUE
ALBRIGHT LOT
BURWELL CIRCLE
SELWYN AVENUE
WELLESLEY LOT
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1.	Burwell Hall (Administrative offices)
2.	Jernigan Building (Business Office)
3.	McEwen Building (Liberal Learning)
4.	Withers House (Continuing Education)
5.	Walker Science Building (Computing Services)
6.	Dana Building (McColl School of Business)
7.	E.H. Little Fine Arts Center (Dana Auditorium)
8.	Barnhardt Residence Hall
9.	Morrison Dining Hall (Post Office, Bookstore)
10.	Trexler College Center (Snack Bar)
11.	Watkins Art Building
12.	Blair Building (Career Center)
13.	Everett Library
14.	Tillett Building
15.	Faculty Club
16.	Sorority Lodge
17.	Fraternity Lodge
18.	Ovens Athletic Center
19.	Tennis Courts
20.	Student Health Center
21.	Greenhouse
22.	Maintenance Shop
23.	Heating Plant
24.	Harris Residence Hall
25.	Wallace Residence Hall
26.	Belk Residence Hall
27.	Stultz Building
28.	Long Residence Hall
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30.	Belk Chapel
31.	Harris House

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